# **Exhibit Y**

Redacted

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### CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

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## UNITED STATES DISTRICT COURT DISTRICT OF MINNESOTA

Michelle Simha, as Trustee for the Next-of-Kin of Noah Leopold,

Civil File No.

Plaintiff, 24-CV-01097-JRT-DTS

vs.

Mayo Clinic,

Defendant.

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DEPOSITION OF GUSTAVO KNOP

Volume I, Pages 1 - 97

August 14, 2024

(The following is the deposition of Gustavo Knop, taken pursuant to Notice of Taking Deposition, via video, at Mayo Clinic, Legal Department, 100 2nd Street SW, Rochester, Minnesota, commencing at approximately 9:04 a.m., August 14, 2024.)

	Page 2		Page 4
APPEARANCES:		1	PROCEEDINGS
On Behalf of the Plaintiff:		2	THE VIDEOGRAPHER: Good morning. We
Bibeane Metsch-Garcia (via Zoom)		3	are on the record. Today is August 14th, 2024.
CIRESI CONLIN LLP		4	The time is 9:04 a.m. Today's case case
Suite 4600		5	caption is Simha versus Mayo Clinic. The
Minneapolis, Minnesota 55402		6	witness for today's deposition is Gustavo Knop.
On Behalf of the Defendant:		7	At this time the attorneys for the
Androvy Drontin above		8	various parties will introduce themselves and
DORSEY & WHITNEY LLP		9	the court reporter will swear the witness.
50 South Sixth Street		10	MR. THOMPSON: Brandon Thompson along
Minneapolis, Minnesota 55402		11	with Anna Messerly for the plaintiff. And on
ALCO DESCRIT.		12	the Zoom is Karen Leopold, Norman Leopold, Jenna
ALSO PRESENT.		13	Leopold Shulman, Michelle Simha, and then
Ron Huber, Videographer		14	Bibeane Metsch-Garcia and Maggie Palmisano, both
Maggie Palmisano, Ciresi Conlin (via Zoom)		15	from my office.
Michelle Simha (via Zoom)		16	MR. BRANTINGHAM: Andrew Brantingham on
Karen Leopold (via Zoom)		17	behalf of defendant and the witness.
Jenna Shulman (via Zoom)		18	(Witness sworn.)
		19	GUSTAVO KNOP,
		20	called as a witness, being first duly
		21	sworn, was examined and testified as
		22	follows:
		23	EXAMINATION
		24	BY MR. THOMPSON:
		25	Q. Good morning, doctor.
	Page 3		Page 5
EXAMINATION INDEX		1	A. Good morning.
	PAGE		Q. Have you ever had a deposition taken
	4	3	before?
_		l .	A. No.
Mr. Thompson 92			Q. Okay. So this is a process where we're
			just trying to figure out some things that you
			know, both about some general medical concepts
			that are relevant to this case and the facts of
		1	the case that we're talking about. Okay?
			A. Perfect.
			Q. You understand that?
			A. I do.
			Q. All right. Do you remember this OCS
		l .	run?
			A. Yes, I do.
			Q. All right. Do you have like a lot of
			memories of it or just some vague recollections?
			A. I should say most of the memories, but
		19	probably not all.
		20	Q. Fair enough. All right. We'll get
		1 21	into those in just a minute, but that's good to
		21	•
		22	know. It helps me kind of direct where we're
		22 23	know. It helps me kind of direct where we're going with the deposition.
		22	know. It helps me kind of direct where we're
	On Behalf of the Plaintiff: Brandon Thompson Bibeane Metsch-Garcia (via Zoom) CIRESI CONLIN ILIP 225 South Sixth Street Suite 4600 Minneapolis, Minnesota 55402 On Behalf of the Defendant:  Andrew Brantingham DORSEY & WHITNEY LLP 50 South Sixth Street Suite 1500 Minneapolis, Minnesota 55402  ALSO PRESENT:  Ron Huber, Videographer Anna C. Messerly, Ciresi Conlin Maggie Palmisano, Ciresi Conlin (via Zoom) Michelle Simha (via Zoom) Norman Leopold (via Zoom) Norman Leopold (via Zoom) Jenna Shulman (via Zoom) Jenna Shulman (via Zoom)  EXAMINATION INDEX WITNESS EXAMINED BY Gustavo Knop Mr. Thompson	APPEARANCES: On Behalf of the Plaintiff: Brandon Thompson Bibeane Metsch-Garcia (via Zoom) CIRESI CONLIN LLP 225 South Sixth Street Suite 4600 Minneapolis, Minnesota 55402 On Behalf of the Defendant:  Andrew Brantingham DORSEY & WHITNEY LLP 50 South Sixth Street Suite 1500 Minneapolis, Minnesota 55402  ALSO PRESENT:  Ron Huber, Videographer Anna C. Messerly, Ciresi Conlin Maggie Palmisano, Ciresi Conlin (via Zoom) Michelle Simha (via Zoom) Norman Leopold (via Zoom) Karen Leopold (via Zoom) Jenna Shulman (via Zoom) Jenna Shulman (via Zoom)  EXAMINATION INDEX WITNESS EXAMINED BY Gustavo Knop Mr. Thompson Mr. Brantingham 91	APPEARANCES:  On Behalf of the Plaintiff: Brandon Thompson Bibeane Metsch-Carcia (via Zoom) CIRESI CONLIN LLP 22S South Sixth Street Suite 4600 Minneapolis, Minnesota 55402  On Behalf of the Defendant:  Andrew Brantingham DORSEY & WHITNEY LLP 50 South Sixth Street Suite 1500 Minneapolis, Minnesota 55402  ALSO PRESENT:  Ron Huber, Videographer Anna C. Messerly, Ciresi Conlin Maggie Palmisano, Ciresi Conlin (via Zoom) Michelle Sirrha (via Zoom) Michelle Sirrha (via Zoom) Karen Leopold (via Zoom) Jenna Shulman (via Zoom)  Farance Allow A

2 (Pages 2 to 5)

A. Yes, I did.  Q. For how long have you worked at Mayo?  A. I started January '22.  Q. What brought you to Mayo?  A. Mayo was increasing the transplant  activity and they wanted to recruit people on  the trans on the procurement side to have  more expert people working on on that  activity, especially on the development of the  new techniques regarding DCD hearts and the use  of OCS and other practices.  Q. And that's something that you do have  some expertise in it looks like?  A. Yes. I did have quite a I should  say significant expertise on that.  Q. Let's talk specifically about OCS.  What was your experience with OCS  What was your experience with OCS  A. I was in a  16 and our pools this expanded time of protection, which is the weak Achilles point of the cold storage.  Q. Understood.  If I am understanding your testimony, you think OCS is a pretty incredible piece of technology.  A. I shouldn't call incredible, but it's very helpful.  Q. In your experience with OCS, you of course know that there are a number of risks that are particular to the use of the OCS.  A. There are always risks in medicine.  OCS is not the exception.  Q. No, I understand that. I'm not talking about just general risks that apply to just anything in medicine. I'm talking about specific risks that are specific to the use of the OCS. You know that there are such risks; right?		Page 6		Page 8
looking ar your CV it looks like you've   practiced in a lot of hospitals kind of all over   the world. Is that right?	1	Well I'm not going to ask you to tell	1	Harefield, quite in quite a number of cases,
demonstrate that it can be used and expanded on and our pools — this expanded time of protection, which is the weak Achilles point of the cold storage.  A. I started January '22.  9 Q. What brought you to Mayo? 10 A. Mayo was increasing the transplant activity and they wanted to recruit people on the trans—on the procurement side to have more expert people working on —on that activity, especially on the development of the new techniques regarding DCD hearts and the use of 6 OCS and other practices.  17 Q. And that's something that you do have soy in the expertise on that.  28 Some expertise in 1 tooks like?  19 A. Yes, I did have quite a —I should say significant expertise on that.  20 Let's talk specifically about OCS.  21 What was your experience with OCS beard of the yord on the world. Despite they were not the first, they were —they —the first on high numbers and the second to do that all over the world regarding OCS and DCD hearts.  10 A. Yes.  11 Q. —was a pioneer developing DCD hearts in the search and clinical practice. OCS was a part of that, the took we had to do that.  12 Q. —was a pioneer in using the OCS Heart should and clinical practice. OCS was a part of that, the took we had to do that.  12 Q. —was a pioneer in using the OCS was previously  23 potentially available to make that a reality.  24 A. Exactly, But —but OCS was previously  25 A. Exactly, But —but OCS was previously	2	me about your practice history, because in	2	also in Papworth, for DBD cases to prove that
the world. Is that right?  A. Yes, I did.  Q. For how long have you worked at Mayo?  A. I started January '22.  Q. What brought you to Mayo?  10 A. Mayo was increasing the transplant activity and they wanted to recruit people on the trans - on the procurement side to have more expert people working on - on that activity, especially on the development of the first on the terry to some expertise in it looks like?  A. Yes. I did have quite a - I should say significant expertise on that.  Q. Let's talk specifically about OCS.  What was your experience with OCS bears and the use of OCS and other practices.  What was your experience with OCS.  What was your experience with OCS.  Transplantation Papworth Hospital. Papworth Hospital was a pioneer developing DCD hearts in the world. Despite they were not the first, they were - they - the first on high numbers and the second to do that all over the world regarding OCS and DCD hearts.  Q. Voure using both OCS and DCD. Am I understanding you correctly if I say Pap - Papworth?  A. Ves.  A. Ves.  A. Ves.  C. You're using both OCS and DCD. Am I understanding you correctly if I say Pap - Papworth?  A. Ves.  A. Was pioneer in DCD hearts?  A. Was pioneer in be occalled by the condition of the conditions about that?  A. You mean publications about that?  A. A Sa I said, there are always in A mean publications about that?  A. You possible, that is one of the things that the r	3	looking at your CV it looks like you've	3	they are at least non-inferiority compared to
6 A. Yes, I did. 7 Q. For how long have you worked at Mayo? 8 A. I started January '22. 9 Q. What brought you to Mayo? 11 activity and they wanted to recruit people on the trans - on the procurement side to have more expert people working on - on that activity, especially on the development of the new techniques regarding DCD hearts and the use of of OCS and other practices. 17 Q. And that's something that you do have some expertise in it looks like? 18 Some expertise in it looks like? 19 A. Yes. I did have quite a - I should say significant expertise on that. 20 Q. Let's talk specifically about OCS. 21 What was your experience with OCS before you came to Mayo in 2022? 22 What was your experience with OCS before you came to Mayo in 2022? 23 before you came to Mayo in 2022? 24 A. I was in a - 24 though a substitute of the world. Despite they were not the first, the world. Despite they were not the first, Q. Novire using both OCS and DCD. Am I understanding you correctly if I say Pap - Pappoorth? 10 A. Yes. 11 Q was a pioneer in using the OCS Heart System in order to transplant DCD hearts: 12 Q was a pioneer in DCD hearts in the world. Despite they were not the first, the pappoorth? 10 A. Yes. 11 Q was a pioneer in using the OCS Heart System in order to transplant DCD hearts: 12 Q was a pioneer in DCD hearts in this that. Is not the target is DCD heart transplantation. OCS was part of that, the tools we had to do that. 18 Q. The goal was to see if we can expand the available donor pool by taking DCD hearts, and COS was one of the tools that were potentially available to make that a reality. Fair? 2 A. Exactly, But but OCS was previously	4	practiced in a lot of hospitals kind of all over	4	
7 Page 7  1 C. For how long have you worked at Mayo? 8 A. I started January '22. 9 Q. What brought you to Mayo? 10 A. Mayo was increasing the transplant activity and they wanted to recruit people on activity, and they wanted to recruit people on the trans - on the procurement side to have more expert people working on - on that activity, especially on the development of the new techniques regarding DCD hearts and the use of OCS and other practices. 10 Q. And that's something that you do have some expertise in it looks like? 11 A. Yes. I did have quite a - I should say significant expertise on that. 12 Q. Let's talk specifically about OCS. 13 before you came to Mayo in 2022? 14 A. I was in a - I should Hospital was a pioneer developing DCD hearts in the world. Despite they were not the first, they were - they - the first on high numbers and the second to do that all over the world regarding OCS and DCD hearts. 14 Q was a pioneer in using the OCS Heart System in order to transplant ation. OCS was a part of that, the took we had to do that. 15 Q. The goal was to see if we can expand the available do more pool by taking DCD hearts, and CCS was one of the tools that were potentially available to make that a reality. 15 Fair?  16 A. Exactly. But - but OCS was previously  17 transplantation papeworth Hospital. Papeworth they were - they - the first on high numbers and the second to do that all over the world regarding OCS and DCD hearts. 16 Q was a pioneer in using the OCS Heart System in order to transplant ation. OCS was a part of that, the took we had to do that. 18 Q. The goal was to see if we can expand the available donor pool by taking DCD hearts, and the available to make that a reality. 21 A. Exactly. But - but OCS was previously  22 A. Exactly. But - but OCS was previously	5	the world. Is that right?	5	demonstrate that it can be used and expanded on
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9 Q. Understood. 10 A. Mayowas increasing the transplant activity and they wanted to recruit people on the trans - on the procurement side to have more expert people working on on that activity, especially on the development of the new techniques regarding DCD hearts and the use of OCS and other practices. 17 Q. And that's something that you do have some expertise in it looks like? 18 some expertise in it looks like? 19 A. Yes. I did have quite a - I should say significant expertise on that. 20 Q. Let's talk specifically about OCS. 21 What was your experience with OCS. 22 What was your experience with OCS. 23 before you came to Mayo in 2022? 24 A. I was in a - 25 I - I did a fellowship in  Page 7  1 transplantation Papworth Hospital. Papworth Hospital was a pioneer developing DCD hearts in the world. Despite they were not the first, they were - they - the first on high numbers and the second to do that all over the world regarding OCS and DCD hearts. 29 Q. You're using both OCS and DCD. Am I understanding your testimony, you think OCS is a pretty incredible, but it's very helpful. 20 In your experience with OCS, you of course know that there are a number of risks that are particular to the use of the OCS. 30 A. Tshouldn't call incredible, but it's very helpful. 31 A. I shouldn't call incredible, but it's very helpful. 32 A. Yes. I did have quite a - I should say significant expertise on that. 33 a that are particular to the use of the OCS. 44 A. I was in a - 25 I - I did a fellowship in  20 Fage 7  21 transplantation Papworth Hospital. Papworth Hospital was a pioneer developing DCD hearts in the world regarding OCS and DCD Am I understanding your testimony, you think OCS is a pretty in redible, but it's very helpful. 34 A. I was in a - 35 the of OCS. A. There are a number of risks that are particular to the use of the OCS. 45 A. I was in the reserricinate apply to just anything in medicine. The talking about apply to just apout in the targe target and the transplantation in the process of the ocs. You know t	7	Q. For how long have you worked at Mayo?	7	protection, which is the weak Achilles point of
10 A. Mayo was increasing the transplant 11 activity and they wanted to recruit people on 12 the trans - on the procurement side to have 13 more expert people working on - on that 14 activity, especially on the development of the 15 new techniques regarding DCD hearts and the use 16 of OCS and other practices. 17 Q. And tharfs something that you do have 18 some expertise in it looks like? 18 A. Yes. 1 did have quite a - I should 20 say significant expertise on that. 21 Q. Let's talk specifically about OCS. 22 What was your experience with OCS 23 before you came to Mayo in 2022? 24 A. I was in a - 25 I - I did a fellowship in  Page 7  1 transplantation Papworth Hospital. Papworth 2 Hospital was a pioneer developing DCD hearts in 3 the world. Despite they were not the first, 4 they were - they - the first on high numbers 5 and the second to do that all over the world 6 regarding OCS and DCD hearts, 7 Q. You've using both OCS and DCD. Am1 10 understanding your testimony, 20 un ink OCS is a pretty incredible, but it's 21 very helpful. 20. In your experience with OCS, you of 21 course know that there are a number of risks that are are a number of risks that are precific to the USC. 22 What was your experience with OCS. 23 before you came to Mayo in 2022? 24 A. I was in a - 25 I - I did a fellowship in  25 page 7  1 transplantation Papworth Hospital. Papworth 26 Hospital was a pioneer developing DCD hearts in the they were - they - the first on high numbers and the second to do that all over the world regarding OCS and DCD hearts. 3 A. Yes. 4 Q. you've using both OCS and DCD. Am1 3 understanding your correctly if I say Pap - 4 Papworth? 4 A. Yes. 5 Q. was a pioneer in using the OCS Heart 5 papworth? 6 A. Yes. 7 Q. You've tall interedible, but it's very helpful. 8 A. Was pioneer in DCD bearts in this research and clinical practice. OCS is an are risk in management if you don't follow the common judgment and guidelines, both combined and the second to do that all over the world regarding OCS and practically and the ava	8	A. I started January '22.	8	the cold storage.
the trans—on the procurement side to have more expert people working on — on that activity, especially on the development of the new techniques regarding DCD hearts and the use of OCS and other practices.  A. I shouldn't call incredible, but it's very helpful.  Q. In your experience with OCS, you of course know that there are a number of risks that are particular to the use of the OCS.  A. There are always risks in medicine. OCS is not the exception.  Q. No, I understand that. I'm not talking about just general risks that apply to just anything in medicine. I'm talking about specific risks that are specific to the use of the OCS. You know that there are such risks; right?  Page 7  Page 7  Transplantation Papworth Hospital. Papworth Hospital was a pioneer developing DCD hearts in the world. Despite they were not the first, they were—they—the first on high numbers and the second to do that all over the world regarding OCS and DCD hearts. Q. You're using both OCS and DCD. Am I understanding you correctly if I say Pap— Papworth?  A. Yes. Q. You're familiar with the research that says that sometimes hearts that are transported on OCS sifer myocardial ange that really can't be explained; right?  A. You mean publications about that? Q. It's not just possible, that is noe of the things that the researchers who have published on OCS was perifically published; right? A. As I said, there are always un — un — unwanted effects on the use of any device, any, any device, is not the exception. Q. I appreciate that, but I want to stick with the questions that I'm asking, And I'm not asking you about risks associated with any device, in talking about one specific risk with	9	Q. What brought you to Mayo?	9	Q. Understood.
technology.  A. I shouldn't call incredible, but it's very helpful.  Q. In your experience with OCS, you of course know that there are a number of risks that are particular to the use of OCS and other practices.  Q. And that's something that you do have some expertise in it looks like?  A. Yes. I did have quite a I should say significant expertise on that.  Q. Let's talk specifically about OCS.  What was your experience with OCS before you came to Mayo in 2022?  A. I was in a 25 I I did a fellowship in  Page 7  transplantation Papworth Hospital. Papworth Hospital was a pioneer developing DCD hearts in the world. Despite they were not the first, the world regarding OCS and DCD hearts and the second to do that all over the world regarding OCS and DCD hearts.  Q. You're using both OCS and DCD. Am I understanding you correctly if I say Pap Papworth?  A. Yes a pioneer in using the OCS Heart System in order to transplant DCD hearts; in the transplantation. OCS was a part of that, its not the target is OCS and the target is DCD hearts, and OCS was one of the took that were potentially available to make that a reality.  Fair?  A. Exactly, But but OCS was previously  Lechnology.  A. I shouldn't call incredible, but it's very helpful.  Q. In your experience with OCS, occurse know that there are a number of risks that are pepticular to the took of the OCS.  A. There are always risks in made into accurse how that there are a number of risks that are pepticular to the vecytion.  Q. In your experience with OCS, occurse know that there are a number of risks that are particular to the use of the OCS.  A. There are always risks in medicine.  O. No. In understand that. I'm not talking about just general risks that are particular to the use of the OCS.  A. There are always risks in medicine.  O. No. In understand that. I'm not talking about just general risks that are particular to the use of the OCS.  A. I do know there are risk in instrumentation if you don't do it well. There are risks in management if you don't	10	A. Mayo was increasing the transplant	10	If I am understanding your testimony,
more expert people working on on that activity, especially on the development of the the second of OCS and other practices.  A. I shouldn't call incredible, but it's very helpful. Q. In your experience with OCS, you of course know that there are a number of risks that are particular to the use of the OCS. A. There are always risks in medicine.  A. I you experience with OCS, you for course know that there are a number of risks that are particular to the use of the OCS. A. There are always risks in medicine. OCS is not the exception. Q. No, I understand that. I'm not talking about just general risks that apply to just anything in medicine. I'm talking about specific risks that are specific to the use of the OCS. You know that there are a number of risks that are particular to the use of the OCS. A. There are always risks in medicine. OCS is not the exception. Q. No, I understand that. I'm not talking about just general risks that apply to just anything in medicine. I'm talking about specific risks that are specific to the use of the OCS. You know that there are a number of risks that reparticular to the use of the OCS. A. There are always risks in medicine. OCS is not the exception. Q. No, I understand that. I'm not talking about just general risks that apply to just anything in medicine. I'm talking about specific risks that are specific to the use of the OCS. You know that there are such risks: right?  A. I do know there are risk in instrumentation if you don't do it well. There are risks in management if you don't follow the common judgment and guidelines, both combined and the second to do that all over the world regarding OCS and DCD. Am I ware risks in management if you don't follow the common judgment and guidelines, both combined and the second to do that all over the world on OCS suffer myocardial damage that really can't be explained; right?  A. Yea. A. You mean publications about that? Q. You're familiar with the research that says that sometimes hearts that are transported on OCS suffer myocardial	11	activity and they wanted to recruit people on	11	you think OCS is a pretty incredible piece of
14 activity, especially on the development of the new techniques regarding DCD hearts and the use of OCS and other practices.  16 of OCS and other practices.  17 Q. And that's something that you do have some expertise in it looks like?  18 some expertise in it looks like?  19 A. Yes. I did have quite a - I should say significant expertise on that.  20 Let's talk specifically about OCS.  21 What was your experience with OCS 22 abefore you came to Mayo in 2022?  22 What was your experience with OCS 22 abefore you came to Mayo in 2022?  23 before you came to Mayo in 2022?  24 A. I was in a  25 I - I did a fellowship in  26 Page 7  1 transplantation Papworth Hospital. Papworth Hospital Papworth Papworth Hospital Papworth Papworth Papworth Pa	12	the trans on the procurement side to have	12	technology.
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23 <b>A. Exactly. But but OCS was previously</b> 23 device, I'm talking about one specific risk with				
2 = useu, especially in Urx where I was working and   2 + respect to one specific device.				
				-
25 especially in another hospital in London, 25 A. Yeah.	د ⊿ ا	especiany in another nospital in London,	J	A. I can.

3 (Pages 6 to 9)

	Page 10		Page 12
1 Q. My question	was: Are you aware of the	1	many OCS runs you personally have been on.
	hers who have published on	2	A. In including UK?
3 the OCS have public	shed that some of the hearts	3	Q. Ever. Yeah, in your career.
4 that are transported	on that machine suffer	4	A. Yeah. Should be more than 50.
5 unexplained myocar	dial damage?	5	Q. Less than 75?
6 MR. BRANT	INGHAM: Object to the form.	6	A. Yes.
7 A. Yes, I am av	vare. But that is related	7	Q. So somewhere between 50 and 75.
8 to other issues, not	for example, a long,	8	A. Possibly.
9 long run on the OC	CS, many hours. The more time	9	Q. What's your best estimate as to how
on the OCS the he	art is, obviously the	10	many runs you've been on since coming to Mayo in
11 possibility of dama		11	2022?
_	facturer of the OCS and the	12	A. I can't say accurate, but probably more
	ve published on this have	13	than 30.
-	ocardial damage cannot be	14	Q. What is the longest OCS run you can
-	e telling me that you have	15	recall going on ever in your career?
16 the explanation for i		16	A. About eight hours.
17 MR. BRANT	INGHAM: Object to the form of	17	Q. When you were working in the UK, how
18 the question.		18	far would you travel to get an OCS heart?
19 A. No, I didn't		19	What's the farthest place you can remember
	INGHAM: Just, doctor, take	20	going?
	get an objection out and	21	A. Not far. Usually the distance were
	ad. I'm going to object to	22	short, but on ground.
	stion. You can go ahead.	23	Q. Understood.
A. I didn't say		24	A. Not flying.
25 Sorry. Repea	at the question.	25	Q. Understood.
	Page 11		Page 13
1 Q. Yeah. I asl	ked you whether you	1	What is the longest OCS run you can
2 understood that th	e researchers published that	2	recall going on since you've been at Mayo?
3 there was myocard	lial damage that happened for	3	A. About six hours maybe. I can't say
4 unknown reasons.	You said, yes, but it was	4	exactly. You are asking me questions I don't
	actors like a very long OCS	5	have the list, whatever.
	tand you correctly?	6	Q. Yeah.
	de the clarification that	7	A. I'm just replying based on what my
•	nge can occur, but it is related	8	memory gives me just now.
	at may happen during the	9	Q. Totally understand.
10 transport and the		10	Do you remember, location-wise, where
= -	nk that's what the	11	that farthest trip would have been?
_	hed in the EXPAND study?	12	A. No, I don't.
	ware of the details, and that	13	Q. Do you have a list that you maintain of
is what I have in		14	all the OCS runs you've been on?
	experience, how many hearts	15	A. Not me. The people who re who takes
_	have suffered significant	16	all that information, so I am ready I can ask
17 myocardial damag		17	that at any time
18 A. I should sa	ny very few, but in very long	18	Q. Sure.
4.0		19	A if I need.
19 <b>runs.</b>		20	Q. Sure.
<ul><li>19 runs.</li><li>20 Q. How long?</li></ul>	er and	0.1	
<ul> <li>runs.</li> <li>Q. How long?</li> <li>A. Between si</li> </ul>		21	Has there ever been a time since you've
<ul> <li>runs.</li> <li>Q. How long?</li> <li>A. Between si</li> <li>More than si</li> </ul>	six hours on the machine.	22	been at Mayo, that you can recall, where a heart
<ul> <li>runs.</li> <li>Q. How long?</li> <li>A. Between si</li> <li>More than si</li> <li>Q. Are these r</li> </ul>	six hours on the machine. uns that were done at Mayo?	22 23	been at Mayo, that you can recall, where a heart that was transported on OCS was ultimately
<ul> <li>runs.</li> <li>Q. How long?</li> <li>A. Between si</li> <li>More than si</li> <li>Q. Are these r</li> <li>A. I can't rec</li> </ul>	six hours on the machine.	22	been at Mayo, that you can recall, where a heart

4 (Pages 10 to 13)

	Page 14		Page 16
1	Q. Yes.	1	anything about the communication back to Mayo
2	A. Not in my cases.	2	while you were in Idaho before leaving?
3	Q. In other cases that you're aware of at	3	A. I don't remember, but I what I can
4	Mayo?	4	tell you that the usual procedure, typically,
5	A. I don't recall any.	5	are the first surgeon, the main surgeon, does
6	Q. Okay. You know	6	communicate with the base regarding what is the
7	A. There may be. I don't recall.	7	assessment of the heart, which is the crucial
8	Q. Yeah. And you know that in the EXPAND	8	work we do there
9	study, almost one out of every five hearts that	9	Q. Yep.
10	was transported on the OCS was discarded and not	10	A before going for the next steps.
11	transplanted; right?	11	Q. Understood.
12	MR. BRANTINGHAM: Foundation. You can	12	So probably what happened is that Dr.
13	answer.	13	Altarabsheh communicated back to Mayo; right?
14	THE WITNESS: I can answer, yes.	14	A. I assume that is the most probably
15	A. That study probably was done in the	15	thing that happened.
16	early stages of the research of the use of	16	Q. But you don't have any memory of that
17	OCS.	17	whatsoever; correct?
18	Q. My question was: Are you aware that in	18	A. I don't have that.
19	the study one out of every five hearts was	19	Q. Okay. Do you have any memory of
20	discarded without being transplanted?	20	assessing this heart in Idaho?
21	A. I'm not aware in detail of that	21	A. Yes, I do
22	information, but I accept that may be the	22	Q. You do.
23	Q. Yeah.	23	A have memory.
24	A the issue because you are you are	24	Q. Okay. Tell me what your memory is.
25	saying that.	25	A. The heart on this case looked to us
1	Page 15	1	Page 17
1 2	Q. On the OCS runs you've been on at Mayo,	1 2	absolutely a a good heart like we call it.
2	Q. On the OCS runs you've been on at Mayo, do you have the ability to communicate with Mayo	2	absolutely a a good heart like we call it. There were no abnormalities that we have seen
2	Q. On the OCS runs you've been on at Mayo, do you have the ability to communicate with Mayo while you're on the airplane?	2 3	absolutely a a good heart like we call it.  There were no abnormalities that we have seen there in the donor site, meaning we assess
2 3 4	<ul><li>Q. On the OCS runs you've been on at Mayo,</li><li>do you have the ability to communicate with Mayo</li><li>while you're on the airplane?</li><li>A. While on the airplane, no.</li></ul>	2 3 4	absolutely a a good heart like we call it.  There were no abnormalities that we have seen there in the donor site, meaning we assess different aspects of the heart, and after doing
2	<ul> <li>Q. On the OCS runs you've been on at Mayo, do you have the ability to communicate with Mayo while you're on the airplane?</li> <li>A. While on the airplane, no.</li> <li>Q. For this case, do you remember whether</li> </ul>	2 3 4 5	absolutely a a good heart like we call it.  There were no abnormalities that we have seen there in the donor site, meaning we assess different aspects of the heart, and after doing a meticulous assessment we take our decision of
2 3 4 5 6	Q. On the OCS runs you've been on at Mayo, do you have the ability to communicate with Mayo while you're on the airplane?  A. While on the airplane, no. Q. For this case, do you remember whether it was you or Dr. Altarabsheh who called back to	2 3 4 5 6	absolutely a a good heart like we call it.  There were no abnormalities that we have seen there in the donor site, meaning we assess different aspects of the heart, and after doing a meticulous assessment we take our decision of what is what we are going to inform to the
2 3 4 5 6 7	Q. On the OCS runs you've been on at Mayo, do you have the ability to communicate with Mayo while you're on the airplane?  A. While on the airplane, no.  Q. For this case, do you remember whether it was you or Dr. Altarabsheh who called back to Mayo after doing the initial assessment of the	2 3 4 5 6 7	absolutely a a good heart like we call it.  There were no abnormalities that we have seen there in the donor site, meaning we assess different aspects of the heart, and after doing a meticulous assessment we take our decision of what is what we are going to inform to the base, basically how is the contractility, what
2 3 4 5 6 7 8	Q. On the OCS runs you've been on at Mayo, do you have the ability to communicate with Mayo while you're on the airplane?  A. While on the airplane, no.  Q. For this case, do you remember whether it was you or Dr. Altarabsheh who called back to Mayo after doing the initial assessment of the donor heart in Idaho?	2 3 4 5 6 7 8	absolutely a a good heart like we call it.  There were no abnormalities that we have seen there in the donor site, meaning we assess different aspects of the heart, and after doing a meticulous assessment we take our decision of what is what we are going to inform to the base, basically how is the contractility, what are the what is the what are the filling
2 3 4 5 6 7	Q. On the OCS runs you've been on at Mayo, do you have the ability to communicate with Mayo while you're on the airplane?  A. While on the airplane, no. Q. For this case, do you remember whether it was you or Dr. Altarabsheh who called back to Mayo after doing the initial assessment of the donor heart in Idaho?  A. Usually the first person in charge, in	2 3 4 5 6 7 8 9	absolutely a a good heart like we call it.  There were no abnormalities that we have seen there in the donor site, meaning we assess different aspects of the heart, and after doing a meticulous assessment we take our decision of what is what we are going to inform to the base, basically how is the contractility, what are the what is the what are the filling pressures based on palpation, based on visual
2 3 4 5 6 7 8	Q. On the OCS runs you've been on at Mayo, do you have the ability to communicate with Mayo while you're on the airplane?  A. While on the airplane, no. Q. For this case, do you remember whether it was you or Dr. Altarabsheh who called back to Mayo after doing the initial assessment of the donor heart in Idaho?  A. Usually the first person in charge, in other words the first surgeon	2 3 4 5 6 7 8	absolutely a a good heart like we call it.  There were no abnormalities that we have seen there in the donor site, meaning we assess different aspects of the heart, and after doing a meticulous assessment we take our decision of what is what we are going to inform to the base, basically how is the contractility, what are the what is the what are the filling pressures based on palpation, based on visual assessment, what are the coronary artery
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2 3 4 5 6 7 8 9 10 11	Q. On the OCS runs you've been on at Mayo, do you have the ability to communicate with Mayo while you're on the airplane?  A. While on the airplane, no. Q. For this case, do you remember whether it was you or Dr. Altarabsheh who called back to Mayo after doing the initial assessment of the donor heart in Idaho?  A. Usually the first person in charge, in other words the first surgeon There are two surgeons going. One is primary and the other one is assistant. On this	2 3 4 5 6 7 8 9 10 11	absolutely a a good heart like we call it.  There were no abnormalities that we have seen there in the donor site, meaning we assess different aspects of the heart, and after doing a meticulous assessment we take our decision of what is what we are going to inform to the base, basically how is the contractility, what are the what is the what are the filling pressures based on palpation, based on visual assessment, what are the coronary artery aspects, any lesions or any plaques or whatever,
2 3 4 5 6 7 8 9 10 11 12	Q. On the OCS runs you've been on at Mayo, do you have the ability to communicate with Mayo while you're on the airplane?  A. While on the airplane, no.  Q. For this case, do you remember whether it was you or Dr. Altarabsheh who called back to Mayo after doing the initial assessment of the donor heart in Idaho?  A. Usually the first person in charge, in other words the first surgeon  There are two surgeons going. One is primary and the other one is assistant. On this occasion, I was the assistant.	2 3 4 5 6 7 8 9 10 11 12 13	absolutely a a good heart like we call it.  There were no abnormalities that we have seen there in the donor site, meaning we assess different aspects of the heart, and after doing a meticulous assessment we take our decision of what is what we are going to inform to the base, basically how is the contractility, what are the what is the what are the filling pressures based on palpation, based on visual assessment, what are the coronary artery aspects, any lesions or any plaques or whatever, and what is the previous hemoglobin of the donor, which is a very important point for the
2 3 4 5 6 7 8 9 10 11 12 13 14	Q. On the OCS runs you've been on at Mayo, do you have the ability to communicate with Mayo while you're on the airplane?  A. While on the airplane, no.  Q. For this case, do you remember whether it was you or Dr. Altarabsheh who called back to Mayo after doing the initial assessment of the donor heart in Idaho?  A. Usually the first person in charge, in other words the first surgeon  There are two surgeons going. One is primary and the other one is assistant. On this occasion, I was the assistant.  Q. Yep.	2 3 4 5 6 7 8 9 10 11 12 13 14	absolutely a a good heart like we call it.  There were no abnormalities that we have seen there in the donor site, meaning we assess different aspects of the heart, and after doing a meticulous assessment we take our decision of what is what we are going to inform to the base, basically how is the contractility, what are the what is the what are the filling pressures based on palpation, based on visual assessment, what are the coronary artery aspects, any lesions or any plaques or whatever, and what is the previous hemoglobin of the donor, which is a very important point for the OCS, and what is the situation we are, you know,
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5 (Pages 14 to 17)

	Page 18		Page 20
1	also responsible as he is that this heart was	1	Q. What do you remember, since you have
2	adequate and good for transplantation.	2	all these memories of this particular heart a
3	Q. All right. So	3	year ago, what do you remember about the lungs?
4	A. For use not transplanting for	4	MR. BRANTINGHAM: Object to the form of
5	retrieving and then using in a recipient.	5	the question. You can answer.
6	Q. Sure. So that was about a year ago;	6	A. I I don't pay attention to lungs in
7	right?	7	these cases.
8	A. Sorry?	8	Q. Why not?
9	Q. It was about a year ago.	9	A. Because I'm not involved in lung
10	A. Yes.	10	procurement if I go for the heart.
11	Q. How many OCS runs have you been on in	11	Q. If there's a problem with the lungs,
12	the last year, roughly?	12	wouldn't that be relevant to the question of
13	A. Maybe 20, maybe	13	whether the heart was viable or suitable?
14	Q. All right.	14	A. If it is a problem with oxygenation,
15	A 15, I don't know.	15	yes. Not with the lungs itself. I'm talking
16	Q. Fifteen to 20 since then.	16	about the function of the lungs at that time.
17	Can you remember all the hearts that	17	We didn't see any problems on that.
18	you've gone and retrieved since this one a year	18	Q. You remember that.
19	ago?	19	A. Of course. I mean saturation is okay.
20	A. I remember most of them, yes.	20	We didn't have any problem with that.
21	Q. Okay. So let's go back to this one	21	Q. What
22	that you remember from a year ago. What did	22	A. If I should have any problem, I would
23	Were the other surgeons from that	23	have recalled very clearly.
24	hospital in the operating room when you procured	24	Q. What color was this heart?
25	the heart?	25	A. Color?
	Page 19		Page 21
1	A. Yes, I think so.	1	O W 1
		1	Q. Yeah.
2		2	Q. Yean. A. Normal.
2	Q. What did they look like?		A. Normal.
		2	<ul><li>A. Normal.</li><li>Q. What's a normal color?</li></ul>
3	<ul><li>Q. What did they look like?</li><li>A. How they look like?</li><li>Q. Yeah. Males, females?</li></ul>	2 3	A. Normal.
3 4	<ul><li>Q. What did they look like?</li><li>A. How they look like?</li></ul>	2 3 4	<ul><li>A. Normal.</li><li>Q. What's a normal color?</li><li>A. Well it's different colors depending</li></ul>
3 4 5	<ul><li>Q. What did they look like?</li><li>A. How they look like?</li><li>Q. Yeah. Males, females?</li><li>A. No, I can't remember that.</li></ul>	2 3 4 5	<ul><li>A. Normal.</li><li>Q. What's a normal color?</li><li>A. Well it's different colors depending the chamber.</li></ul>
3 4 5 6	<ul> <li>Q. What did they look like?</li> <li>A. How they look like?</li> <li>Q. Yeah. Males, females?</li> <li>A. No, I can't remember that.</li> <li>Q. Yeah.</li> </ul>	2 3 4 5 6	<ul> <li>A. Normal.</li> <li>Q. What's a normal color?</li> <li>A. Well it's different colors depending the chamber.</li> <li>Q. Describe this heart that you remember from a year ago.</li> </ul>
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3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. What did they look like? A. How they look like? Q. Yeah. Males, females? A. No, I can't remember that. Q. Yeah. A. I don't pay attention to those. Q. Yeah. Do you remember who else was on this OCS run with you other than Dr. Altarabsheh? A. It was Danielle the perfusionist. Q. Who else? A. It was Mike, Q. Uh-huh. A the tech. Q. Okay. A. And that is our main. And it was Salah, Dr. Salah. Q. Okay. And that that's all you can remember?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Normal. Q. What's a normal color? A. Well it's different colors depending the chamber. Q. Describe this heart that you remember from a year ago. A. Okay. Q. Describe it for me. What did it look like? A. Yes. No problem. The ventricles are usually red how do you say it's not super bright. It's a bit soft red. Q. Soft red? A. Yes, something like that. Q. Red in color? Soft red in color? A. Soft red, the muscle. Q. Okay. A. So I should say normal, as the normal
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. What did they look like?  A. How they look like?  Q. Yeah. Males, females?  A. No, I can't remember that.  Q. Yeah.  A. I don't pay attention to those.  Q. Yeah. Do you remember who else was on this OCS run with you other than Dr.  Altarabsheh?  A. It was Danielle the perfusionist.  Q. Who else?  A. It was Mike,  Q. Uh-huh.  A the tech.  Q. Okay.  A. And that is our main. And it was  Salah, Dr. Salah.  Q. Okay. And that that's all you can	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Normal. Q. What's a normal color? A. Well it's different colors depending the chamber. Q. Describe this heart that you remember from a year ago. A. Okay. Q. Describe it for me. What did it look like? A. Yes. No problem. The ventricles are usually red how do you say it's not super bright. It's a bit soft red. Q. Soft red? A. Yes, something like that. Q. Red in color? Soft red in color? A. Soft red, the muscle. Q. Okay. A. So I should say normal, as the normal description of the of the heart.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. What did they look like? A. How they look like? Q. Yeah. Males, females? A. No, I can't remember that. Q. Yeah. A. I don't pay attention to those. Q. Yeah. Do you remember who else was on this OCS run with you other than Dr. Altarabsheh? A. It was Danielle the perfusionist. Q. Who else? A. It was Mike, Q. Uh-huh. A the tech. Q. Okay. A. And that is our main. And it was Salah, Dr. Salah. Q. Okay. And that that's all you can remember? A. The persons, yeah. There was another	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Normal. Q. What's a normal color? A. Well it's different colors depending the chamber. Q. Describe this heart that you remember from a year ago. A. Okay. Q. Describe it for me. What did it look like? A. Yes. No problem. The ventricles are usually red how do you say it's not super bright. It's a bit soft red. Q. Soft red? A. Yes, something like that. Q. Red in color? Soft red in color? A. Soft red, the muscle. Q. Okay. A. So I should say normal, as the normal description of the of the heart. Q. I don't know what that means because
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. What did they look like? A. How they look like? Q. Yeah. Males, females? A. No, I can't remember that. Q. Yeah. A. I don't pay attention to those. Q. Yeah. Do you remember who else was on this OCS run with you other than Dr. Altarabsheh? A. It was Danielle the perfusionist. Q. Who else? A. It was Mike, Q. Uh-huh. A the tech. Q. Okay. A. And that is our main. And it was Salah, Dr. Salah. Q. Okay. And that that's all you can remember? A. The persons, yeah. There was another perfusionist, but I I can't recall who was	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Normal. Q. What's a normal color? A. Well it's different colors depending the chamber. Q. Describe this heart that you remember from a year ago. A. Okay. Q. Describe it for me. What did it look like? A. Yes. No problem. The ventricles are usually red how do you say it's not super bright. It's a bit soft red. Q. Soft red? A. Yes, something like that. Q. Red in color? Soft red in color? A. Soft red, the muscle. Q. Okay. A. So I should say normal, as the normal description of the of the heart.

6 (Pages 18 to 21)

	Page 22		Page 24
1	A. Yes.	1	Q. Uh-huh.
2	Q. What other	2	A. There were no plaques here.
3	What color were the atria?	3	The vessels coming out from the heart
4	A. The atria was the right atrium is	4	or reaching the heart, the aorta, the pulmonary
5	blue.	5	artery. The pulmonary artery is yellowish
6	Q. Okay.	6	because it has some usually some fat around.
7	A. Blue. Strong blue.	7	I have to say that there is fat around the heart
8	Q. Strong blue?	8	usually, which is
9	A. I mean sorry about my I am	9	Q. Uh-huh. Where?
10	I don't have the fluency in the	10	A. It is
11	description of the colors, but it is it's not	11	Q. Don't just tell me usually. I'm
12	soft blue, it's more strong blue. Do you	12	talking about your memory of this specific heart
13	understand what I mean?	13	that you claim you remember.
14	Q. Yeah. You're describing what a normal	14	A. Yeah. There is some
15	heart would look like.	15	O. Describe the fat.
16	A. Yes.	16	A. Yeah. The fat is over the pulmonary
17	Q. And you're claiming that not just I'm	17	artery on the and on top of the right
18	describing what a normal heart would look like,	18	ventricular outflow tract and the close to
19	I can remember in my mind that this is what that	19	the base of the aorta, which is the the
20	heart looked like.	20	the base of the aorta, which is the the the root, a bit of fat.
21		21	•
	A. Yes.		Q. A bit
22 23	Q. Okay. What else? What else about the	22	Did you say a bit of fat?
	appearance of the heart can you describe for us?	23	A. Yes.
24	A. Okay. The left atrium is also with a	24	Q. Just a bit of fat.
25	blue color	25	A. Yes, a bit.
	Page 23		Page 25
1	Q. Blue color. Okay. I'm with you.	1	Q. Okay. Not fat like
2	A in the in the in the dome,	2	A. No.
3	which is the part that you can see.	3	Q covering the whole heart.
4	Q. Uh-huh.	4	A. No, no, no. Definitely not.
5	A. You don't see the other parts of the	5	Q. No. Okay.
6	left atria	6	Let me show you a picture of the heart.
7	Q. Uh-huh.	7	MR. BRANTINGHAM: Does it have a Bates
8	A except the left outer appendage	8	number for the record?
9	Q. Okay.	9	MR. THOMPSON: Let me see. Give me
10	A which is, you know, more light in	10	that back a second, doctor.
11	the color.	11	THE WITNESS: Yeah.
12	Q. Uh-huh. Light like what?	12	MR. THOMPSON: This is Bates No. 24948.
13	A. Light I should say	13	THE WITNESS: Yes.
14	Q. Like a lighter blue?	14	Q. Does that look like the heart that you
15	A. No. No lighter blue. Lighter pink, to	15	were just describing?
16	the pink side.	16	A. This is the picture of what heart?
17	Q. Got it. Okay.	17	Q. That's the picture of the heart that
18	A. And then you see the coronaries and the	18	you're claiming you remember and
19	epicardium and the surface of the heart	19	A. Okay.
20	=	20	Q are claiming was blue I think
21	Q. Uh-huh.		
	A which are the color is, I should	21	you'd said blue, the atria were blue. Show me
22 23	say, white/gray. White/gray.	22 23	where that heart's blue. Show me where that
	Q. Okay.	△3	heart has just a bit of fat.
	A TC 41	0.4	MD DDANTHICHAM. Office to the Co
24 25	A. If there are plaques, you see very clearly.	24 25	MR. BRANTINGHAM: Object to the form, the multiple questions in a row, and object to

7 (Pages 22 to 25)

1 foundation.		Page 28
- Touridation	1	doesn't reflect reality here.
2 MR. THOMPSON: What what is the	2	Q. What's the point of taking a picture of
3 foundation objection? I'm asking him to tell me	3	the heart in the operating room at the donor
4 where the blue is on that heart.	4	hospital, by the way? That's where this is.
5 MR. BRANTINGHAM: I don't think you	5	A. Yeah. What's the point?
6 MR. THOMPSON: What's what's lacking	6	Q. Yeah. Why do you take a picture of it?
7 in foundation?	7	A. To see the the size of the heart,
8 THE WITNESS: Okay.	8	the general aspect of the heart, but not analyze
9 MR. BRANTINGHAM: I don't think you've	9	exactly the colors because the colors are not
10 established who took this picture, when, where	10	real here. I mean I see very clearly that this
11 it is.	11	is not this is not the real aspect of the
12 MR. THOMPSON: It's produced by you.	12	atriums, for example, the right atrium, you
13 MR. BRANTINGHAM: I understand.	13	know.
14 MR. THOMPSON: By you.	14	Q. Does that look like a heart that has a
15 MR. BRANTINGHAM: I know that.	15	normal amount of fat to you?
16 MR. THOMPSON: Yeah, the picture of	16	A. Yes.
17 this heart.	17	Q. Normal.
18 MR. BRANTINGHAM: But you	18	A. Yes. Definitely.
19 I I know where it came from in that	19	Q. Okay. I'll take that back.
20 sense, but you're asking about a picture taken	20	A. The amount of fat around the heart is
21 during a period of time.	21	variable. It doesn't reflect any impact on
22 MR. THOMPSON: Yeah.	22	function or any impact on the suitability of the
23 MR. BRANTINGHAM: And you haven't asked	23	heart for being transplanted.
24 him when that's from. You haven't you	24	Q. I appreciate that. I didn't ask any
25 haven't established when it was taken, who took	25	questions about whether fat affects suitability
Page 27		
Page 27	1	
1 it, and so forth.	1 2	or whether fat affects function. I just asked
2 Q. Is this 3 Does this look	3	you if that was a normal amount of fat in your
4 MR. BRANTINGHAM: That's the foundation	4	opinion A. Normal.
5 objection.	5	Q and you said it was.
3	6	
6 Q. Does this look like the heart that 7 MR. THOMPSON: Well that's not an	7	<ul><li>A. Absolutely. Yes.</li><li>Q. Okay. Did you do predicted heart mass</li></ul>
	8	measurements on the recipient before you left
8 objection to my question at all. 9 MR. BRANTINGHAM: Okay. Well you asked	9	
MR. BRANTINGHAM: Okay. Well you asked	10	Mayo to go get this heart?
		A COV
10 for the explanation of the foundation objection.		A. Say Con you ask the question again?
for the explanation of the foundation objection. That's my explanation. The question or the	11	Can you ask the question again?
10 for the explanation of the foundation objection.  11 That's my explanation. The question or the  12 objection to the question was	11 12	Can you ask the question again? Q. Yeah. Well let me ask a prefatory
10 for the explanation of the foundation objection.  11 That's my explantation. The question or the 12 objection to the question was 13 MR. THOMPSON: That makes no sense.	11 12 13	Can you ask the question again? Q. Yeah. Well let me ask a prefatory question first. Size match is an important part
10 for the explanation of the foundation objection.  11 That's my explanation. The question or the  12 objection to the question was  13 MR. THOMPSON: That makes no sense.  14 MR. BRANTINGHAM: you asked him	11 12 13 14	Can you ask the question again?  Q. Yeah. Well let me ask a prefatory question first. Size match is an important part of finding a suitable donor heart; right?
10 for the explanation of the foundation objection.  11 That's my explantation. The question or the  12 objection to the question was  13 MR. THOMPSON: That makes no sense.  14 MR. BRANTINGHAM: you asked him  15 multiple questions. You shouted three two or	11 12 13 14 15	Can you ask the question again? Q. Yeah. Well let me ask a prefatory question first. Size match is an important part of finding a suitable donor heart; right? A. Yes.
10 for the explanation of the foundation objection.  11 That's my explantation. The question or the  12 objection to the question was  13 MR. THOMPSON: That makes no sense.  14 MR. BRANTINGHAM: you asked him  15 multiple questions. You shouted three two or  16 three questions at him. Let him just let him	11 12 13 14 15 16	Can you ask the question again?  Q. Yeah. Well let me ask a prefatory question first. Size match is an important part of finding a suitable donor heart; right?  A. Yes.  Q. You don't want the heart to be too big
10 for the explanation of the foundation objection.  11 That's my explantation. The question or the  12 objection to the question was  13 MR. THOMPSON: That makes no sense.  14 MR. BRANTINGHAM: you asked him  15 multiple questions. You shouted three two or  16 three questions at him. Let him just let him  17 answer the question.	11 12 13 14 15 16 17	Can you ask the question again?  Q. Yeah. Well let me ask a prefatory question first. Size match is an important part of finding a suitable donor heart; right?  A. Yes.  Q. You don't want the heart to be too big and you don't want the heart to be too small;
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for the explanation of the foundation objection.  That's my explantation. The question or the objection to the question was  MR. THOMPSON: That makes no sense.  MR. BRANTINGHAM: you asked him multiple questions. You shouted three two or three questions at him. Let him just let him answer the question.  Q. Yeah. Okay. I'm going to ask you this question now. Is that, in your testimony under oath, consistent with a normal heart such that you just described?	11 12 13 14 15 16 17 18 19 20 21	Can you ask the question again?  Q. Yeah. Well let me ask a prefatory question first. Size match is an important part of finding a suitable donor heart; right?  A. Yes.  Q. You don't want the heart to be too big and you don't want the heart to be too small; right?  A. Yes.  Q. Do you have sort of a general guideline about how much bigger or how much smaller you're
for the explanation of the foundation objection.  That's my explantation. The question or the objection to the question was  MR. THOMPSON: That makes no sense.  MR. BRANTINGHAM: you asked him multiple questions. You shouted three two or three questions at him. Let him just let him answer the question.  Q. Yeah. Okay. I'm going to ask you this question now. Is that, in your testimony under oath, consistent with a normal heart such that you just described?  A. Yes, because on this picture it should	11 12 13 14 15 16 17 18 19 20 21 22	Can you ask the question again?  Q. Yeah. Well let me ask a prefatory question first. Size match is an important part of finding a suitable donor heart; right?  A. Yes.  Q. You don't want the heart to be too big and you don't want the heart to be too small; right?  A. Yes.  Q. Do you have sort of a general guideline about how much bigger or how much smaller you're willing to go?
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8 (Pages 26 to 29)

	Page 30		Page 32
1	Q. Okay. So the attending physician would	1	Q. What do you mean "according to the
2	give guidelines as to how much bigger or smaller	2	donor size?"
3	he's willing to accept for the donor heart?	3	A. I mean that if you have a donor a
4	A. He knows in advance.	4	female donor of a height 157 and you have a
5	Q. Knows in advance what the parameters	5	heart that is severely enlarged for that donor,
6	are going to be?	6	you have to raise the issue. But I am sure we
7	A. The echocardiogram.	7	will not be going in a run to procure a heart
8	Q. For the donor or for the recipient?	8	like that because we know the information in
9	A. For both.	9	advance.
10	Q. Okay. So he knows in advance what	10	Q. How big were you expecting this donor
11	size	11	heart to be since you remember it?
12	A. Yes.	12	A. Yeah.
13	Q the heart's going to be.	13	MR. BRANTINGHAM: Object to the form of
14	A. Not only the echocardiogram, CT scan.	14	the question.
15	CT.	15	A. I mean how big, what do you mean? You
16	Q. Sure. But there's a ruler in those	16	want me to tell you the centimeters from one
17	photographs. Because one of the things that's	17	side to the other, the height, all
18	your job	18	Q. How about the weight?
19	A. Yes.	19	A. Huh?
20	Q is to verify the size of the heart;	20	Q. How about the weight?
21	right?	21	A. The weight is related to the mass.
22	A. To verify the size of the heart?	22	Q. Okay. How big were you expecting it to
23	Q. Size of the donor heart.	23	be?
24	A. No, that's not my my my	24	A. I go for the echocardiogram before
25	I see, I evaluate the heart. The heart	25	before the procurement. That give me much more
	Page 31		Page 33
1	has different sizes according to which donor it	1	information that the visual assessment about
2	is. We just evaluate the heart in general	2	
3			the mass.
	terms. Of course, I agree that if the heart is		O. My question my question is: How
4	terms. Of course, I agree that if the heart is	3	Q. My question my question is: How
4 5	enlarged, severely enlarged, there should be a	3 4	Q. My question my question is: How much were you expecting this heart to weigh?
5	enlarged, severely enlarged, there should be a problem and we should raise that issue.	3	Q. My question my question is: How much were you expecting this heart to weigh?  And if your answer is "I don't have any idea how
5 6	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?	3 4 5	Q. My question my question is: How much were you expecting this heart to weigh? And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then
5 6 7	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?  A. If we see anything. Usually the the	3 4 5 6	Q. My question my question is: How much were you expecting this heart to weigh? And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then that's your answer.
5 6 7 8	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?  A. If we see anything. Usually the the size of the heart comes with other things, it's	3 4 5 6 7 8	Q. My question my question is: How much were you expecting this heart to weigh?  And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then that's your answer.  MR. BRANTINGHAM: Object to the form of
5 6 7 8 9	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?  A. If we see anything. Usually the the size of the heart comes with other things, it's not only the size. If you have a large heart	3 4 5 6 7	Q. My question my question is: How much were you expecting this heart to weigh? And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then that's your answer.  MR. BRANTINGHAM: Object to the form of the question.
5 6 7 8 9	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?  A. If we see anything. Usually the the size of the heart comes with other things, it's not only the size. If you have a large heart with high pressures, filling pressures is one	3 4 5 6 7 8 9	Q. My question my question is: How much were you expecting this heart to weigh?  And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then that's your answer.  MR. BRANTINGHAM: Object to the form of the question.  Q. But if you did have an expectation, I'd
5 6 7 8 9 10	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?  A. If we see anything. Usually the the size of the heart comes with other things, it's not only the size. If you have a large heart with high pressures, filling pressures is one thing, and on top of that the size of the heart,	3 4 5 6 7 8 9 10	Q. My question my question is: How much were you expecting this heart to weigh?  And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then that's your answer.  MR. BRANTINGHAM: Object to the form of the question.  Q. But if you did have an expectation, I'd like to know.
5 6 7 8 9 10 11	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?  A. If we see anything. Usually the the size of the heart comes with other things, it's not only the size. If you have a large heart with high pressures, filling pressures is one thing, and on top of that the size of the heart, they in different dimensions, varies according	3 4 5 6 7 8 9	Q. My question my question is: How much were you expecting this heart to weigh? And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then that's your answer.  MR. BRANTINGHAM: Object to the form of the question.  Q. But if you did have an expectation, I'd like to know.  MR. BRANTINGHAM: Go ahead and you can
5 6 7 8 9 10	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?  A. If we see anything. Usually the the size of the heart comes with other things, it's not only the size. If you have a large heart with high pressures, filling pressures is one thing, and on top of that the size of the heart, they in different dimensions, varies according to the hemodynamic situation.	3 4 5 6 7 8 9 10 11 12	Q. My question my question is: How much were you expecting this heart to weigh? And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then that's your answer.  MR. BRANTINGHAM: Object to the form of the question. Q. But if you did have an expectation, I'd like to know.  MR. BRANTINGHAM: Go ahead and you can just answer that question.
5 6 7 8 9 10 11 12 13	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?  A. If we see anything. Usually the the size of the heart comes with other things, it's not only the size. If you have a large heart with high pressures, filling pressures is one thing, and on top of that the size of the heart, they in different dimensions, varies according to the hemodynamic situation.  Q. Okay. My question to you was: Is	3 4 5 6 7 8 9 10 11 12 13	Q. My question my question is: How much were you expecting this heart to weigh? And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then that's your answer.  MR. BRANTINGHAM: Object to the form of the question. Q. But if you did have an expectation, I'd like to know.  MR. BRANTINGHAM: Go ahead and you can just answer that question.  A. I don't have the answer for that
5 6 7 8 9 10 11 12	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?  A. If we see anything. Usually the the size of the heart comes with other things, it's not only the size. If you have a large heart with high pressures, filling pressures is one thing, and on top of that the size of the heart, they in different dimensions, varies according to the hemodynamic situation.  Q. Okay. My question to you was: Is evaluating the size of the heart part of your	3 4 5 6 7 8 9 10 11 12 13 14	Q. My question my question is: How much were you expecting this heart to weigh? And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then that's your answer.  MR. BRANTINGHAM: Object to the form of the question. Q. But if you did have an expectation, I'd like to know.  MR. BRANTINGHAM: Go ahead and you can just answer that question.  A. I don't have the answer for that because, to my eyes and to my knowledge, this
5 6 7 8 9 10 11 12 13 14 15	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?  A. If we see anything. Usually the the size of the heart comes with other things, it's not only the size. If you have a large heart with high pressures, filling pressures is one thing, and on top of that the size of the heart, they in different dimensions, varies according to the hemodynamic situation.  Q. Okay. My question to you was: Is evaluating the size of the heart part of your job as one of the procuring surgeons?	3 4 5 6 7 8 9 10 11 12 13 14 15	Q. My question my question is: How much were you expecting this heart to weigh? And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then that's your answer.  MR. BRANTINGHAM: Object to the form of the question. Q. But if you did have an expectation, I'd like to know.  MR. BRANTINGHAM: Go ahead and you can just answer that question.  A. I don't have the answer for that because, to my eyes and to my knowledge, this heart was within the normal limits for the donor
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5 6 7 8 9 10 11 12 13 14 15 16 17	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?  A. If we see anything. Usually the the size of the heart comes with other things, it's not only the size. If you have a large heart with high pressures, filling pressures is one thing, and on top of that the size of the heart, they in different dimensions, varies according to the hemodynamic situation.  Q. Okay. My question to you was: Is evaluating the size of the heart part of your job as one of the procuring surgeons?  A. In part, yes, in the way that if I see any significant issue related to the size, I	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. My question my question is: How much were you expecting this heart to weigh? And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then that's your answer.  MR. BRANTINGHAM: Object to the form of the question. Q. But if you did have an expectation, I'd like to know.  MR. BRANTINGHAM: Go ahead and you can just answer that question.  A. I don't have the answer for that because, to my eyes and to my knowledge, this heart was within the normal limits for the donor
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5 6 7 8 9 10 11 12 13 14 15 16 17 18	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?  A. If we see anything. Usually the the size of the heart comes with other things, it's not only the size. If you have a large heart with high pressures, filling pressures is one thing, and on top of that the size of the heart, they in different dimensions, varies according to the hemodynamic situation.  Q. Okay. My question to you was: Is evaluating the size of the heart part of your job as one of the procuring surgeons?  A. In part, yes, in the way that if I see any significant issue related to the size, I have to, you know, communicate that. Not me in this case. The primary surgeon has to do it.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Q. My question my question is: How much were you expecting this heart to weigh? And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then that's your answer.  MR. BRANTINGHAM: Object to the form of the question. Q. But if you did have an expectation, I'd like to know.  MR. BRANTINGHAM: Go ahead and you can just answer that question.  A. I don't have the answer for that because, to my eyes and to my knowledge, this heart was within the normal limits for the donor and what we were, you know Q. "For the donor," you mean for the donor's size?  A. For the donor's size.
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?  A. If we see anything. Usually the the size of the heart comes with other things, it's not only the size. If you have a large heart with high pressures, filling pressures is one thing, and on top of that the size of the heart, they in different dimensions, varies according to the hemodynamic situation.  Q. Okay. My question to you was: Is evaluating the size of the heart part of your job as one of the procuring surgeons?  A. In part, yes, in the way that if I see any significant issue related to the size, I have to, you know, communicate that. Not me in	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. My question my question is: How much were you expecting this heart to weigh? And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then that's your answer.  MR. BRANTINGHAM: Object to the form of the question. Q. But if you did have an expectation, I'd like to know.  MR. BRANTINGHAM: Go ahead and you can just answer that question.  A. I don't have the answer for that because, to my eyes and to my knowledge, this heart was within the normal limits for the donor and what we were, you know Q. "For the donor," you mean for the donor's size?  A. For the donor's size. Q. How big was the donor?
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	enlarged, severely enlarged, there should be a problem and we should raise that issue.  Q. Address that issue?  A. If we see anything. Usually the the size of the heart comes with other things, it's not only the size. If you have a large heart with high pressures, filling pressures is one thing, and on top of that the size of the heart, they in different dimensions, varies according to the hemodynamic situation.  Q. Okay. My question to you was: Is evaluating the size of the heart part of your job as one of the procuring surgeons?  A. In part, yes, in the way that if I see any significant issue related to the size, I have to, you know, communicate that. Not me in this case. The primary surgeon has to do it.  Q. Do you remember that this was a big heart?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. My question my question is: How much were you expecting this heart to weigh? And if your answer is "I don't have any idea how much I was expecting the heart to weigh," then that's your answer.  MR. BRANTINGHAM: Object to the form of the question. Q. But if you did have an expectation, I'd like to know.  MR. BRANTINGHAM: Go ahead and you can just answer that question.  A. I don't have the answer for that because, to my eyes and to my knowledge, this heart was within the normal limits for the donor and what we were, you know Q. "For the donor," you mean for the donor's size?  A. For the donor's size.
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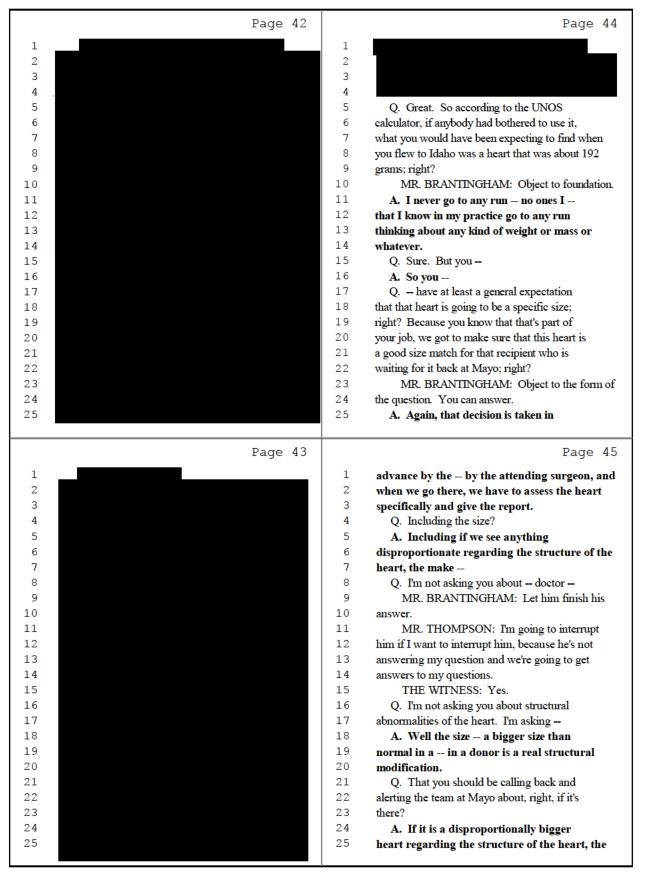
9 (Pages 30 to 33)

Page 34 Page 36 1 Q. Not even exactly. You said you can't 1 A. About four -- four, five hundred grams. 2 remember exactly. I don't expect you to 2 Q. I'm not asking -- I'm not asking 3 remember it to the centimeter and to the 3 exactly. How about closer to 200 grams or 4 kilogram. But how about just in general? How 4 closer to 600 grams? 5 big were you -- how big was this donor? 5 A. Closer to 600 grams. 6 6 A. I can't remember exactly. I have to go Q. Closer to 600. You think that --7 7 to the details. Okay. Do you know that UNOS has a 8 8 Q. I'm not asking you exactly. You're predicted heart mass calculator that's readily 9 claiming that you remember this heart, and 9 available? 10 you're claiming that based on your memory you 10 A. No, I'm not aware of that. 11 can say "That heart was the size that I expected 11 Q. Do you know what UNOS is? 12 it to be." And then I asked you, "Well what 12 A. Yes, I know. 13 size were you expecting it to be?", and you 13 Q. What's UNOS? 14 said, "Well I don't know, it would depend on the 14 A. It's the organization that relates to 15 size of the donor." And now I'm asking you: 15 the heart procurements and transplantation. 16 How big was the donor? 16 17 A. Okay. 17 18 18 MR. BRANTINGHAM: Object to the form of 19 the question. 19 20 A. I --20 the heart mass at 192.46 grams, would you have 21 MR. BRANTINGHAM: Go ahead. You can 21 any reason to disagree with that? 22 22 A. The heart weighs --23 A. My target is the heart. If I see the 23 Q. Yeah. 24 heart and I know in advance what the donor size 24 A. -- 183? 25 is and I find the heart which is corresponding 25 Q. I'll just show it to you. This is from Page 35 Page 37 the UNOS website. 1 and not raise my attention that the heart is 1 2 2 A. Yeah. abnormally big for the donor, I just pay 3 attention to the heart and I know that. 3 Q. Is it standard at Mayo, do you know, Q. Uh-huh. 4 4 for somebody to do a predicted heart mass 5 5 A. So I don't have to remember now exactly calculation before you decide that an organ is 6 what the donor size was. I just remember that 6 of a suitable size for a patient? That's my 7 7 first question. the heart was adequate --8 8 O. How --A. Okay. Do that question again, please. 9 A. -- based on -- on the donor. 9 Q. Do you know if it is standard practice 10 10 at the Mayo Clinic for somebody to do a Q. How much, doctor, would you expect a 11 heart to weigh from a donor who's 180 11 predicted heart mass calculation before a 12 12 centimeters tall and weighs 80 kilograms? Just decision is made that a heart is suitable for 13 13 roughly. transplant? 14 A. A hundred and what? 14 A. The trans --15 Q. A hundred and eighty-three centimeters 15 The attending surgeon is the person who 16 tall and weighs 80 kilograms. How much should 16 17 that heart weigh? 17 Q. Okay. So your answer is yes, it is 18 A. I can't say in -- I have to --18 standard for somebody to do that calculation, 19 I should have to check details about 19 and in my experience, the attending surgeon is 20 weights of hearts. 20 the one who does it. 21 Q. I mean just you can't even give me an 21 MR. BRANTINGHAM: Object to the form of 22 estimate? Two hundred grams? Six hundred 22 23 grams? 23 A. The form of the question is not the way 24 24 I should take it, because the attending surgeon A. I can't say exactly. 25 Q. I'm not asking --25 will not be meticulously mathematically

10 (Pages 34 to 37)

#### Page 38 Page 40 1 1 object to the form of the question and object to calculating the mass or the weight or 2 whatsoever. The attending surgeon, in my 2 foundation, and now you can answer. 3 knowledge, although I am not doing that job, is 3 A. I didn't say that this heart was 4 going to calculate if that heart would fit and 4 adequate size for the recipient. I did not say 5 5 would be adequate for the recipient based on the that. What I said is that this heart was 6 6 chest structure, the -- inside the mediastinum adequate for transplantation to use functionally 7 7 cavity and things like that. and structurally and anatomically. 8 8 Q. Have you ever looked at Dr. Q. Okay. So -9 9 Villavicencio's operative report from this case? A. I didn't mention anything regarding the 10 10 A. I have read that, yes. recipient. And - and regarding your question, Q. Do you know --I should be surprised? I - I shouldn't be 11 11 12 12 A. A long time ago. Yes. surprised of anything. 13 Q. Do you know whether there was a 13 Q. All right. So now I got to clear this significant size mismatch between the donor 14 14 up. Is it part of your job to assess whether 15 15 the heart is an appropriate size for the heart that you brought him and the space that he 16 had in Noah Leopold's chest? 16 recipient or isn't it? 17 MR. BRANTINGHAM: Object to foundation. 17 A. No. 18 18 A. I don't recall that. 19 Q. If I told you that Dr. Villavicencio 19 20 documented that there was a significant size 20 21 mismatch, would that surprise you? 21 22 MR. BRANTINGHAM: Foundation. 22 23 23 Q. Because you remember this heart run. 24 A. No, it doesn't --24 25 MR. BRANTINGHAM: Hold on, hold on, 25 Page 39 Page 41 1 hold on. Let him answer the question you asked, 1 2 2 3 3 MR. THOMPSON: I'm going to ask my 4 question the way that I want to ask it, so 4 5 5 6 MR. BRANTINGHAM: Are you withdrawing 6 7 7 the first question you asked and then 8 8 immediately --9 MR. THOMPSON: Sure. 9 10 10 MR. BRANTINGHAM: - started talking 11 11 12 12 MR. THOMPSON: Sure. 13 13 MR. BRANTINGHAM: Okay. So now ask him 14 14 another question, please. 15 15 BY MR. THOMPSON: 16 16 Q. Given that you claim that you remember 17 this heart and you claim that it was a perfectly 17 18 appropriate size for this patient, would it 18 19 surprise you to know that Dr. Villavicencio 19 20 documented there was a significant size 20 21 21 mismatch? 22 22 MR. BRANTINGHAM: Object to the -23 23 A. I didn't say --24 24 MR. BRANTINGHAM: Hold on, doctor. Let 25 me just get -- make an objection. I'm going to 25

11 (Pages 38 to 41)



12 (Pages 42 to 45)

	Page 46		Page 48
1	anatomical structure of the heart.	1	entitled to take the deposition however you want
2	Q. I'm sticking	2	to.
3	A. When the heart is failing, you have a	3	MR. BRANTINGHAM: According to the
4	gigantic bovine heart like this, you know.	4	rules.
5	Q. Doctor,	5	MR. THOMPSON: We we have had this
6	A. Yes.	6	conversation enough times now.
7	Q you got to listen to my questions.	7	MR. BRANTINGHAM: I agree.
8	I'm talking about size.	8	MR. THOMPSON: Stop telling me how to
9	A. Yes.	9	conduct a deposition. If you have an objection,
10	Q. I'm talking about size.	10	make it. I I don't want to have any more
11	A. I'm talking about size.	11	colloquy back and forth with you.
12	Q. Let's stick with size. Let's not stick	12	MR. BRANTINGHAM: Please show us all
13	with function. Let's not talk about function.	13	the respect to allow people to speak and finish
14	Enough.	14	their sentences.
15	A. No. I'm talking about size.	15	MR. THOMPSON: Andrew
16	Q. Great.	16	MR. BRANTINGHAM: That's all I'm
17	A. Structure. Structure. Not function.	17	asking.
18	Size.	18	MR. THOMPSON: Andrew
19	Q. So	19	MR. BRANTINGHAM: It's very reasonable.
20	MR. BRANTINGHAM: Can we just take a	20	MR. THOMPSON: We are
21	moment here? So at the beginning of this you	21	MR. BRANTINGHAM: Please proceed.
22	started by telling him that you weren't going to	22	MR. THOMPSON: I am going to have
23	talk over each other. Right?	23	answers to my questions, not to questions that
24	MR. THOMPSON: Stop. Stop.	24	I'm not being not that I'm not asking. And
25	MR. BRANTINGHAM: That's one of the	25	if he's not answering my question, I am going to
	Page 47		Page 49
1	rules.	1	interrupt him and I'm going to redirect him to
2	MR. THOMPSON: Stop.	2	the question that I'm asking so that we can keep
3	MR. BRANTINGHAM: Is it your	3	this day on track. And if you think that that's
4	position	4	so abusive that you need to terminate the
5	MR. THOMPSON: Stop.	5	deposition, you know your remedy.
6	MR. BRANTINGHAM: that you get to	6	MR. BRANTINGHAM: Uh-huh.
7	interrupt the witness	7	MR. THOMPSON: We've been over this
8	MR. THOMPSON: Yes.	8	many times. Stop instructing me how to conduct
9	MR. BRANTINGHAM: in the middle of	9	a deposition.
10	his question?	10	MR. BRANTINGHAM: Please go ahead.
1 1	MR. THOMPSON: Yes,	11	BY MR. THOMPSON:
11			
12	MR. BRANTINGHAM: Okay.	12	Q. Sticking with size, is it part of your
		12 13	Q. Sticking with size, is it part of your job to have at least a rough idea of what size
12	MR. BRANTINGHAM: Okay.		
12 13	MR. BRANTINGHAM: Okay. MR. THOMPSON: it is. If he's not	13	job to have at least a rough idea of what size to expect when you take the donor heart out?  A. Say say the question again.
12 13 14	MR. BRANTINGHAM: Okay. MR. THOMPSON: it is. If he's not answering my questions, I MR. BRANTINGHAM: If he's If you decide he's not answering your	13 14	job to have at least a rough idea of what size to expect when you take the donor heart out?  A. Say say the question again.  Q. It's a very simple question. And if
12 13 14 15	MR. BRANTINGHAM: Okay. MR. THOMPSON: it is. If he's not answering my questions, I MR. BRANTINGHAM: If he's If you decide he's not answering your question, you're going to shout him down and	13 14 15	job to have at least a rough idea of what size to expect when you take the donor heart out?  A. Say say the question again.  Q. It's a very simple question. And if you don't understand my question
12 13 14 15 16	MR. BRANTINGHAM: Okay. MR. THOMPSON: it is. If he's not answering my questions, I MR. BRANTINGHAM: If he's If you decide he's not answering your	13 14 15 16	job to have at least a rough idea of what size to expect when you take the donor heart out?  A. Say say the question again.  Q. It's a very simple question. And if
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12 13 14 15 16 17	MR. BRANTINGHAM: Okay. MR. THOMPSON: it is. If he's not answering my questions, I MR. BRANTINGHAM: If he's If you decide he's not answering your question, you're going to shout him down and then shout other questions at him? MR. THOMPSON: So I know that you don't agree with the way that I take depositions, but	13 14 15 16 17 18 19 20	job to have at least a rough idea of what size to expect when you take the donor heart out?  A. Say say the question again.  Q. It's a very simple question. And if you don't understand my question  A. No, no. I understand, but say that again for details.  Q. Okay.
12 13 14 15 16 17 18 19	MR. BRANTINGHAM: Okay. MR. THOMPSON: it is. If he's not answering my questions, I MR. BRANTINGHAM: If he's If you decide he's not answering your question, you're going to shout him down and then shout other questions at him? MR. THOMPSON: So I know that you don't agree with the way that I take depositions, but we've now been at this for three days. You know	13 14 15 16 17 18 19	job to have at least a rough idea of what size to expect when you take the donor heart out?  A. Say say the question again.  Q. It's a very simple question. And if you don't understand my question  A. No, no. I understand, but say that again for details.
12 13 14 15 16 17 18 19 20	MR. BRANTINGHAM: Okay. MR. THOMPSON: it is. If he's not answering my questions, I MR. BRANTINGHAM: If he's If you decide he's not answering your question, you're going to shout him down and then shout other questions at him? MR. THOMPSON: So I know that you don't agree with the way that I take depositions, but	13 14 15 16 17 18 19 20	job to have at least a rough idea of what size to expect when you take the donor heart out?  A. Say say the question again.  Q. It's a very simple question. And if you don't understand my question  A. No, no. I understand, but say that again for details.  Q. Okay.
12 13 14 15 16 17 18 19 20 21 22 23	MR. BRANTINGHAM: Okay. MR. THOMPSON: it is. If he's not answering my questions, I MR. BRANTINGHAM: If he's If you decide he's not answering your question, you're going to shout him down and then shout other questions at him? MR. THOMPSON: So I know that you don't agree with the way that I take depositions, but we've now been at this for three days. You know	13 14 15 16 17 18 19 20 21 22 23	job to have at least a rough idea of what size to expect when you take the donor heart out?  A. Say say the question again.  Q. It's a very simple question. And if you don't understand my question  A. No, no. I understand, but say that again for details.  Q. Okay.  A. Can you do that?
12 13 14 15 16 17 18 19 20 21	MR. BRANTINGHAM: Okay. MR. THOMPSON: — it is. If he's not answering my questions, I — MR. BRANTINGHAM: If he's — If you decide he's not answering your question, you're going to shout him down and then shout other questions at him? MR. THOMPSON: So I know that you don't agree with the way that I take depositions, but we've now been at this for three days. You know how I conduct a deposition.	13 14 15 16 17 18 19 20 21 22	job to have at least a rough idea of what size to expect when you take the donor heart out?  A. Say say the question again.  Q. It's a very simple question. And if you don't understand my question  A. No, no. I understand, but say that again for details.  Q. Okay.  A. Can you do that?  Q. If you don't understand my question,

13 (Pages 46 to 49)

	Page 50		Page 52
1	My question is: Is it part of your job	1	the width of the wall of the left ventricle and
2	to have at least a rough idea of what size heart	2	the other chambers, or the size of the chambers,
3	to expect when you get to the donor site?	3	left atrium, left ventricle, right ventricle,
4	A. Yes.	4	right atrium, pressures in the in the
5	Q. As for this heart, you have no	5	pulmonary arteries and the and so on. So
6	recollection whatsoever as to even the rough	6	that reflects the most important things. Weight
7	size that you were expecting; isn't that true?	7	is a consequence of those things. If we have a
8	A. I did have idea because I saw I saw	8	normal heart regarding the width of the of
9	the echocardiogram, I've seen the CT scan, so I	9	the walls of the of the ventricle, I will not
10	do have a rough idea about the size of the	10	expect at all an overweight heart. And that is
11	heart. Yes.	11	the crucial point, the technical point that is
12	Q. But as for even roughly how much you	12	much more important of the isolated weight. I
13	would have expected that heart to weigh, you	13	go to the more significant points.
14	don't know; right?	14	Q. How thick were you expecting the left
15	A. Weight is not something that I care	15	ventricular wall to be?
16	about. What I care is about other most	16	A. Posterior wall less than 1.1
17	important things that reflect function like, you	17	millimeters.
18	know, width of the of the	18	Q. One point one millimeters?
19	Let me finish. Because I'm	19	A. Sorry. Sorry. One centimeter point
20	Q. You've answered my question.	20	one millimeter. Sorry.
21	A. No. Yeah, yeah, but you you	21	Q. So left ventricular wall, you were
22	don't let me finish. You are trying to	22	expecting it to be less than 1.1 centimeters?
23	You know, the way you are moving your	23	A. One point two centimeters are the
24	body, body language, don't allow me to finish.	24	maximum it should be.
25	So please let me finish.	25	Q. How about the septal wall?
			Page 53
1	Q. Doctor, you've answered my question.	1	A. The septal wall I should be expecting
2	And	2	less than 14 millimeters.
3	A. I am answering your question. Let me	3	Q. So 1.4 centimeters.
4	finish.	4	A. Yes.
5			
	O Doctor Vollve answered my dilestion		
6	Q. Doctor, you've answered my question.  A. I didn't finish	5	Q. How about the right ventricular wall?
6 7	A. I didn't finish.	5 6	<ul><li>Q. How about the right ventricular wall?</li><li>A. The right ventricular wall usually is</li></ul>
7	A. I didn't finish. Q. Doctor	5 6 7	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have
7 8	<ul><li>A. I didn't finish.</li><li>Q. Doctor</li><li>A. I didn't finish.</li></ul>	5 6 7 8	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7
7 8 9	<ul><li>A. I didn't finish.</li><li>Q. Doctor</li><li>A. I didn't finish.</li><li>Q. Doctor, you've answered the question</li></ul>	5 6 7 8 9	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.
7 8 9 10	<ul> <li>A. I didn't finish.</li> <li>Q. Doctor</li> <li>A. I didn't finish.</li> <li>Q. Doctor, you've answered the question that I asked you. The question I asked you was</li> </ul>	5 6 7 8 9	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.  Q. Do you know what the ventricular wall
7 8 9 10 11	<ul> <li>A. I didn't finish.</li> <li>Q. Doctor</li> <li>A. I didn't finish.</li> <li>Q. Doctor, you've answered the question that I asked you. The question I asked you was as for what size what weight to expect, you</li> </ul>	5 6 7 8 9 10 11	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.  Q. Do you know what the ventricular wall thickness was on this heart?
7 8 9 10 11 12	A. I didn't finish. Q. Doctor A. I didn't finish. Q. Doctor, you've answered the question that I asked you. The question I asked you was as for what size what weight to expect, you didn't have any idea and you said the weight	5 6 7 8 9 10 11 12	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.  Q. Do you know what the ventricular wall thickness was on this heart?  A. I don't recall exactly. I have to go
7 8 9 10 11 12	A. I didn't finish. Q. Doctor A. I didn't finish. Q. Doctor, you've answered the question that I asked you. The question I asked you was as for what size what weight to expect, you didn't have any idea and you said the weight doesn't matter to me. So you've answered my	5 6 7 8 9 10 11 12 13	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.  Q. Do you know what the ventricular wall thickness was on this heart?  A. I don't recall exactly. I have to go back to the to the to the numbers.
7 8 9 10 11 12 13	A. I didn't finish. Q. Doctor A. I didn't finish. Q. Doctor, you've answered the question that I asked you. The question I asked you was as for what size what weight to expect, you didn't have any idea and you said the weight doesn't matter to me. So you've answered my A. No. The weight	5 6 7 8 9 10 11 12 13 14	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.  Q. Do you know what the ventricular wall thickness was on this heart?  A. I don't recall exactly. I have to go back to the to the to the numbers.  Q. Okay. Well if it was 1.8
7 8 9 10 11 12 13 14	A. I didn't finish. Q. Doctor A. I didn't finish. Q. Doctor, you've answered the question that I asked you. The question I asked you was as for what size what weight to expect, you didn't have any idea and you said the weight doesn't matter to me. So you've answered my A. No. The weight MR. BRANTINGHAM: Doctor	5 6 7 8 9 10 11 12 13	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.  Q. Do you know what the ventricular wall thickness was on this heart?  A. I don't recall exactly. I have to go back to the to the to the numbers.  Q. Okay. Well if it was 1.8 centimeters let me just get out a
7 8 9 10 11 12 13 14 15	A. I didn't finish. Q. Doctor A. I didn't finish. Q. Doctor, you've answered the question that I asked you. The question I asked you was as for what size what weight to expect, you didn't have any idea and you said the weight doesn't matter to me. So you've answered my A. No. The weight MR. BRANTINGHAM: Doctor A. The weight the weight itself	5 6 7 8 9 10 11 12 13 14	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.  Q. Do you know what the ventricular wall thickness was on this heart?  A. I don't recall exactly. I have to go back to the to the to the numbers.  Q. Okay. Well if it was 1.8 centimeters let me just get out a calculator that would be 67 percent larger
7 8 9 10 11 12 13 14 15 16	A. I didn't finish. Q. Doctor A. I didn't finish. Q. Doctor, you've answered the question that I asked you. The question I asked you was as for what size what weight to expect, you didn't have any idea and you said the weight doesn't matter to me. So you've answered my A. No. The weight MR. BRANTINGHAM: Doctor A. The weight the weight itself isolated isolated is nothing that I am	5 6 7 8 9 10 11 12 13 14 15	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.  Q. Do you know what the ventricular wall thickness was on this heart?  A. I don't recall exactly. I have to go back to the to the to the numbers.  Q. Okay. Well if it was 1.8 centimeters let me just get out a calculator that would be 67 percent larger than you would have expected.
7 8 9 10 11 12 13 14 15 16 17	A. I didn't finish. Q. Doctor A. I didn't finish. Q. Doctor, you've answered the question that I asked you. The question I asked you was as for what size what weight to expect, you didn't have any idea and you said the weight doesn't matter to me. So you've answered my A. No. The weight MR. BRANTINGHAM: Doctor A. The weight the weight itself isolated isolated is nothing that I am extremely worried. I'm more worried about the	5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.  Q. Do you know what the ventricular wall thickness was on this heart?  A. I don't recall exactly. I have to go back to the to the to the numbers.  Q. Okay. Well if it was 1.8 centimeters let me just get out a calculator that would be 67 percent larger than you would have expected.  A. One point six eight millimeters
7 8 9 10 11 12 13 14 15 16 17 18	A. I didn't finish. Q. Doctor A. I didn't finish. Q. Doctor, you've answered the question that I asked you. The question I asked you was as for what size what weight to expect, you didn't have any idea and you said the weight doesn't matter to me. So you've answered my A. No. The weight MR. BRANTINGHAM: Doctor A. The weight the weight itself isolated isolated is nothing that I am extremely worried. I'm more worried about the function, the width of the of the of the	5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.  Q. Do you know what the ventricular wall thickness was on this heart?  A. I don't recall exactly. I have to go back to the to the to the numbers.  Q. Okay. Well if it was 1.8 centimeters let me just get out a calculator that would be 67 percent larger than you would have expected.  A. One point six eight millimeters where?
7 8 9 10 11 12 13 14 15 16 17 18 19	A. I didn't finish. Q. Doctor A. I didn't finish. Q. Doctor, you've answered the question that I asked you. The question I asked you was as for what size what weight to expect, you didn't have any idea and you said the weight doesn't matter to me. So you've answered my A. No. The weight MR. BRANTINGHAM: Doctor A. The weight the weight itself isolated isolated is nothing that I am extremely worried. I'm more worried about the function, the width of the of the of the wall of the ventricle, especially the right	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.  Q. Do you know what the ventricular wall thickness was on this heart?  A. I don't recall exactly. I have to go back to the to the to the numbers.  Q. Okay. Well if it was 1.8 centimeters let me just get out a calculator that would be 67 percent larger than you would have expected.  A. One point six eight millimeters where?  MR. BRANTINGHAM: Wait for a question.
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I didn't finish. Q. Doctor A. I didn't finish. Q. Doctor, you've answered the question that I asked you. The question I asked you was as for what size what weight to expect, you didn't have any idea and you said the weight doesn't matter to me. So you've answered my A. No. The weight MR. BRANTINGHAM: Doctor A. The weight the weight itself isolated isolated is nothing that I am extremely worried. I'm more worried about the function, the width of the of the of the wall of the ventricle, especially the right ven the left ventricle. And based on that, I	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.  Q. Do you know what the ventricular wall thickness was on this heart?  A. I don't recall exactly. I have to go back to the to the to the numbers.  Q. Okay. Well if it was 1.8 centimeters let me just get out a calculator that would be 67 percent larger than you would have expected.  A. One point six eight millimeters where?  MR. BRANTINGHAM: Wait for a question.  Q. Just
7 8 9 10 11 12 13 14 15 16 17 18 19	A. I didn't finish. Q. Doctor A. I didn't finish. Q. Doctor, you've answered the question that I asked you. The question I asked you was as for what size what weight to expect, you didn't have any idea and you said the weight doesn't matter to me. So you've answered my A. No. The weight MR. BRANTINGHAM: Doctor A. The weight the weight itself isolated isolated is nothing that I am extremely worried. I'm more worried about the function, the width of the of the of the wall of the ventricle, especially the right ven the left ventricle. And based on that, I could suppose if the weight of the heart may be	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.  Q. Do you know what the ventricular wall thickness was on this heart?  A. I don't recall exactly. I have to go back to the to the to the numbers.  Q. Okay. Well if it was 1.8 centimeters let me just get out a calculator that would be 67 percent larger than you would have expected.  A. One point six eight millimeters where?  MR. BRANTINGHAM: Wait for a question.  Q. Just  You got to stick with me. My
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I didn't finish. Q. Doctor A. I didn't finish. Q. Doctor, you've answered the question that I asked you. The question I asked you was as for what size what weight to expect, you didn't have any idea and you said the weight doesn't matter to me. So you've answered my A. No. The weight MR. BRANTINGHAM: Doctor A. The weight the weight itself isolated isolated is nothing that I am extremely worried. I'm more worried about the function, the width of the of the of the wall of the ventricle, especially the right ven the left ventricle. And based on that, I	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. How about the right ventricular wall?  A. The right ventricular wall usually is not relevant regarding the size unless you have a hypertrophic. Usually it is less than .7 millimeters. Normal is .5, .6.  Q. Do you know what the ventricular wall thickness was on this heart?  A. I don't recall exactly. I have to go back to the to the to the numbers.  Q. Okay. Well if it was 1.8 centimeters let me just get out a calculator that would be 67 percent larger than you would have expected.  A. One point six eight millimeters where?  MR. BRANTINGHAM: Wait for a question.  Q. Just

14 (Pages 50 to 53)

	Page 54		Page 56
1	1.2 centimeters at the most?	1	did the measurement? Reply.
2	A. Where? In the posterior I mentioned.	2	Q. Well presumably after the heart
3	Q. Well wherever the cardiac pathologist	3	catastrophically
4	from the Mayo Clinic measured it. Would you	4	A. Ah, that's it. That's the difference.
5	assume	5	Q. No. Hold on. Let me
6	A. No, no, no, no, no, no, no.	6	MR. BRANTINGHAM: Just let him let
7	Q. Hold on.	7	him finish first. Let him finish, doctor. Let
8	A. No, no, no, no.	8	him finish.
9	MR. BRANTINGHAM: Just hold on, doctor.	9	Q. I'd like you I'd like you to now to
10	Just let him get to an actual question here.	10	let me finish
11	Q. You asked me	11	MR. BRANTINGHAM: Yeah.
12	Well I was answering your question.	12	Q responding to you.
13	A. Okay.	13	The Mayo pathologist measured that
14	Q. You said where is the measurement.	14	heart when the heart that you and Dr.
15	A. Yes.	15	Altarabsheh brought back from Idaho,
16	Q. Wherever the cardiac pathologist from	16	A. Yeah.
17	the Mayo Clinic measured the wall. Now would	17	Q and told them that this was a
18	you assume that a Mayo cardiac pathologist knows	18	perfectly good heart, fell apart in his
19	how to measure a ventricular wall?	19	hands,
20	MR. BRANTINGHAM: Object to the form	20	A. Uh-huh.
21	and the foundation.	21	Q bled uncontrollably, had to be
22	A. Okay.	22	explanted from his body and led to the death of
23	Q. Yeah. I mean if your answer is "I have	23	this 40-year-old man.
24	no idea whether they know how to"	24	A. Can I speak now?
25	A. So you are telling	25	MR. BRANTINGHAM: No. That's not a
-	Page 55		Page 57
1	Q. Hold on. If you have	1	question.
2	MR. BRANTINGHAM: Ask a ask a	2	Q. Is that a is that a full enough
3 4	question.	3	answer to my question for you?  MR. BRANTINGHAM: That's
	Q. I'm responding to your counsel's	4 5	
5 6	foundation objection.	6	Q. Is that a full enough answer to your
7	If you have no idea whether the Mayo	7	question?
8	cardiac pathologists know how to measure the thickness of the ventricular wall, that's a fine	1	MR. BRANTINGHAM: Hang on a second.
9		8	A. No.
		1 0	MD DD ANTINCHAM, Co. to the st. co. 1
	answer, too.	9	MR. BRANTINGHAM: So is that a real
10	MR. BRANTINGHAM: That's not the reason	10	question for this witness, Brandon, or are you
10 11	MR. BRANTINGHAM: That's not the reason for the objection.	10	question for this witness, Brandon, or are you just harassing the witness?
10 11 12	MR. BRANTINGHAM: That's not the reason for the objection.  A. So let	10 11 12	question for this witness, Brandon, or are you just harassing the witness?  MR. THOMPSON: Okay. Now you're
10 11 12 13	MR. BRANTINGHAM: That's not the reason for the objection.  A. So let  MR. BRANTINGHAM: Hold on, doctor.	10 11 12 13	question for this witness, Brandon, or are you just harassing the witness?  MR. THOMPSON: Okay. Now you're right. We're going to go on to a question.
10 11 12 13 14	MR. BRANTINGHAM: That's not the reason for the objection.  A. So let  MR. BRANTINGHAM: Hold on, doctor.  That's not the reason for the objection. If you	10 11 12 13 14	question for this witness, Brandon, or are you just harassing the witness?  MR. THOMPSON: Okay. Now you're right. We're going to go on to a question.  THE WITNESS: Okay.
10 11 12 13 14 15	MR. BRANTINGHAM: That's not the reason for the objection.  A. So let  MR. BRANTINGHAM: Hold on, doctor.  That's not the reason for the objection. If you want the objection explained, I'm happy to	10 11 12 13 14 15	question for this witness, Brandon, or are you just harassing the witness?  MR. THOMPSON: Okay. Now you're right. We're going to go on to a question.  THE WITNESS: Okay.  Q. Okay.
10 11 12 13 14 15	MR. BRANTINGHAM: That's not the reason for the objection.  A. So let  MR. BRANTINGHAM: Hold on, doctor.  That's not the reason for the objection. If you want the objection explained, I'm happy to explain it.	10 11 12 13 14 15 16	question for this witness, Brandon, or are you just harassing the witness?  MR. THOMPSON: Okay. Now you're right. We're going to go on to a question.  THE WITNESS: Okay. Q. Okay. A. I
10 11 12 13 14 15 16	MR. BRANTINGHAM: That's not the reason for the objection.  A. So let  MR. BRANTINGHAM: Hold on, doctor.  That's not the reason for the objection. If you want the objection explained, I'm happy to explain it.  Q. Go ahead, doctor.	10 11 12 13 14 15 16 17	question for this witness, Brandon, or are you just harassing the witness?  MR. THOMPSON: Okay. Now you're right. We're going to go on to a question.  THE WITNESS: Okay. Q. Okay. A. I Q. Hold on. Hold on. We're going to go
10 11 12 13 14 15 16 17	MR. BRANTINGHAM: That's not the reason for the objection.  A. So let  MR. BRANTINGHAM: Hold on, doctor.  That's not the reason for the objection. If you want the objection explained, I'm happy to explain it.  Q. Go ahead, doctor.  A. Okay.	10 11 12 13 14 15 16 17 18	question for this witness, Brandon, or are you just harassing the witness?  MR. THOMPSON: Okay. Now you're right. We're going to go on to a question.  THE WITNESS: Okay. Q. Okay. A. I Q. Hold on. Hold on. We're going to go on
10 11 12 13 14 15 16 17 18	MR. BRANTINGHAM: That's not the reason for the objection.  A. So let  MR. BRANTINGHAM: Hold on, doctor.  That's not the reason for the objection. If you want the objection explained, I'm happy to explain it.  Q. Go ahead, doctor.  A. Okay.  MR. BRANTINGHAM: You can answer the	10 11 12 13 14 15 16 17 18	question for this witness, Brandon, or are you just harassing the witness?  MR. THOMPSON: Okay. Now you're right. We're going to go on to a question.  THE WITNESS: Okay. Q. Okay. A. I Q. Hold on. Hold on. We're going to go on  MR. BRANTINGHAM: Just let him ask a
10 11 12 13 14 15 16 17 18	MR. BRANTINGHAM: That's not the reason for the objection.  A. So let  MR. BRANTINGHAM: Hold on, doctor.  That's not the reason for the objection. If you want the objection explained, I'm happy to explain it.  Q. Go ahead, doctor.  A. Okay.  MR. BRANTINGHAM: You can answer the question, doctor.	10 11 12 13 14 15 16 17 18 19 20	question for this witness, Brandon, or are you just harassing the witness?  MR. THOMPSON: Okay. Now you're right. We're going to go on to a question.  THE WITNESS: Okay. Q. Okay. A. I Q. Hold on. Hold on. We're going to go on  MR. BRANTINGHAM: Just let him ask a question.
10 11 12 13 14 15 16 17 18 19 20 21	MR. BRANTINGHAM: That's not the reason for the objection.  A. So let  MR. BRANTINGHAM: Hold on, doctor.  That's not the reason for the objection. If you want the objection explained, I'm happy to explain it.  Q. Go ahead, doctor.  A. Okay.  MR. BRANTINGHAM: You can answer the question, doctor.  A. So this is absolutely a basic thing.	10 11 12 13 14 15 16 17 18 19 20 21	question for this witness, Brandon, or are you just harassing the witness?  MR. THOMPSON: Okay. Now you're right. We're going to go on to a question.  THE WITNESS: Okay. Q. Okay. A. I Q. Hold on. Hold on. We're going to go on  MR. BRANTINGHAM: Just let him ask a question. Q. We're going to go on to a question
10 11 12 13 14 15 16 17 18 19 20 21 22	MR. BRANTINGHAM: That's not the reason for the objection.  A. So let  MR. BRANTINGHAM: Hold on, doctor.  That's not the reason for the objection. If you want the objection explained, I'm happy to explain it.  Q. Go ahead, doctor.  A. Okay.  MR. BRANTINGHAM: You can answer the question, doctor.  A. So this is absolutely a basic thing.  You are going to the point of the measurement of	10 11 12 13 14 15 16 17 18 19 20 21 22	question for this witness, Brandon, or are you just harassing the witness?  MR. THOMPSON: Okay. Now you're right. We're going to go on to a question.  THE WITNESS: Okay. Q. Okay. A. I Q. Hold on. Hold on. We're going to go on  MR. BRANTINGHAM: Just let him ask a question. Q. We're going to go on to a question  A. I mean if I if I cannot say
10 11 12 13 14 15 16 17 18 19 20 21 22 23	MR. BRANTINGHAM: That's not the reason for the objection.  A. So let  MR. BRANTINGHAM: Hold on, doctor.  That's not the reason for the objection. If you want the objection explained, I'm happy to explain it.  Q. Go ahead, doctor.  A. Okay.  MR. BRANTINGHAM: You can answer the question, doctor.  A. So this is absolutely a basic thing.  You are going to the point of the measurement of the Mayo pathologist. Are you?	10 11 12 13 14 15 16 17 18 19 20 21 22 23	question for this witness, Brandon, or are you just harassing the witness?  MR. THOMPSON: Okay. Now you're right. We're going to go on to a question.  THE WITNESS: Okay. Q. Okay. A. I Q. Hold on. Hold on. We're going to go on  MR. BRANTINGHAM: Just let him ask a question. Q. We're going to go on to a question  A. I mean if I if I cannot say anything
10 11 12 13 14 15 16 17 18 19 20 21 22	MR. BRANTINGHAM: That's not the reason for the objection.  A. So let  MR. BRANTINGHAM: Hold on, doctor.  That's not the reason for the objection. If you want the objection explained, I'm happy to explain it.  Q. Go ahead, doctor.  A. Okay.  MR. BRANTINGHAM: You can answer the question, doctor.  A. So this is absolutely a basic thing.  You are going to the point of the measurement of	10 11 12 13 14 15 16 17 18 19 20 21 22	question for this witness, Brandon, or are you just harassing the witness?  MR. THOMPSON: Okay. Now you're right. We're going to go on to a question.  THE WITNESS: Okay. Q. Okay. A. I Q. Hold on. Hold on. We're going to go on  MR. BRANTINGHAM: Just let him ask a question. Q. We're going to go on to a question  A. I mean if I if I cannot say

15 (Pages 54 to 57)

	Page 60
1	You said, towards the beginning of your
2	deposition, that the reason that you were
3	recruited here is because Mayo was trying to
4	increase their transplant activity. Do you
5	remember testifying to that?
6	A. That's my understanding. I cannot
7	reassure them because it was not my that's
8	what I heard that I understand.
9	Q. Got it. Are you talking about
10	specifically trying to increase the heart
11	transplant activity?
12	A. Heart and lung.
13	Q. Any idea why that would be?
14	A. I
15	No ideas, but I I I assume that
16	they they it's a big institution
17	prepared it's number one in the world, so is
18	prepared to, you know, to do more practices
19	in to patients in several aspects.
	Q. When you
	A. More more care.
	Q. When you say "number one in the world,"
	what do you mean, number one in the world in
	what?
25	A. That's what I read in the magazines is
	Page 61
1	number one in the world.
2	Q. Just in general?
3	A. In general. Yeah.
4	Q. Got it.
5	The heart transplant volume here at
•	The heart transplant volume here at
6	Mayo is actually quite a bit lower than many
	•
6	Mayo is actually quite a bit lower than many
6 7	Mayo is actually quite a bit lower than many other institutions in the United States; is it
6 7 8	Mayo is actually quite a bit lower than many other institutions in the United States; is it not?
6 7 8 9 10 11	Mayo is actually quite a bit lower than many other institutions in the United States; is it not?  A. A bit lower, yeah. It shouldn't be significantly lower.  Q. Okay. And it's your understanding that
6 7 8 9 10	Mayo is actually quite a bit lower than many other institutions in the United States; is it not?  A. A bit lower, yeah. It shouldn't be significantly lower.
6 7 8 9 10 11	Mayo is actually quite a bit lower than many other institutions in the United States; is it not?  A. A bit lower, yeah. It shouldn't be significantly lower.  Q. Okay. And it's your understanding that Mayo is trying to increase that volume.  A. That's my understanding.
6 7 8 9 10 11	Mayo is actually quite a bit lower than many other institutions in the United States; is it not?  A. A bit lower, yeah. It shouldn't be significantly lower.  Q. Okay. And it's your understanding that Mayo is trying to increase that volume.  A. That's my understanding.  Q. Do you remember noticing anything about
6 7 8 9 10 11 12	Mayo is actually quite a bit lower than many other institutions in the United States; is it not?  A. A bit lower, yeah. It shouldn't be significantly lower.  Q. Okay. And it's your understanding that Mayo is trying to increase that volume.  A. That's my understanding.  Q. Do you remember noticing anything about this heart, at any point during the transport,
6 7 8 9 10 11 12 13 14 15	Mayo is actually quite a bit lower than many other institutions in the United States; is it not?  A. A bit lower, yeah. It shouldn't be significantly lower.  Q. Okay. And it's your understanding that Mayo is trying to increase that volume.  A. That's my understanding.  Q. Do you remember noticing anything about this heart, at any point during the transport, that would have made you think that doesn't look
6 7 8 9 10 11 12 13 14 15 16	Mayo is actually quite a bit lower than many other institutions in the United States; is it not?  A. A bit lower, yeah. It shouldn't be significantly lower.  Q. Okay. And it's your understanding that Mayo is trying to increase that volume.  A. That's my understanding.  Q. Do you remember noticing anything about this heart, at any point during the transport, that would have made you think that doesn't look like the most robust heart?
6 7 8 9 10 11 12 13 14 15 16 17	Mayo is actually quite a bit lower than many other institutions in the United States; is it not?  A. A bit lower, yeah. It shouldn't be significantly lower.  Q. Okay. And it's your understanding that Mayo is trying to increase that volume.  A. That's my understanding.  Q. Do you remember noticing anything about this heart, at any point during the transport, that would have made you think that doesn't look like the most robust heart?  A. No, I I don't remember anything at
6 7 8 9 10 11 12 13 14 15 16 17 18	Mayo is actually quite a bit lower than many other institutions in the United States; is it not?  A. A bit lower, yeah. It shouldn't be significantly lower.  Q. Okay. And it's your understanding that Mayo is trying to increase that volume.  A. That's my understanding.  Q. Do you remember noticing anything about this heart, at any point during the transport, that would have made you think that doesn't look like the most robust heart?  A. No, I I don't remember anything at all that it didn't make it a good heart, robust
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6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Mayo is actually quite a bit lower than many other institutions in the United States; is it not?  A. A bit lower, yeah. It shouldn't be significantly lower.  Q. Okay. And it's your understanding that Mayo is trying to increase that volume.  A. That's my understanding.  Q. Do you remember noticing anything about this heart, at any point during the transport, that would have made you think that doesn't look like the most robust heart?  A. No, I I don't remember anything at all that it didn't make it a good heart, robust or whatever. Yes.  Q. Do you have any recollections of what happened during the flight?
	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

16 (Pages 58 to 61)

	Page 62		Page 64
1	My question to you is: Do you have	1	compared to the last sample there may be a
2	specific memories of anything that happened	2	rising, but what kind of rising. A step rising
3	during the flight?	3	and a trend continues in the stepping up, that
4	A. I do have specific memory that the	4	means something. A raise of a lactate within
5	flight was smooth, the transport of the heart	5	the expected amount shouldn't be something that
6	was smooth in the way when I say "smooth"	6	I could they may communicate or they may not.
7	means that nothing within outside the normal	7	Q. Understood.
8	limits happened.	8	What would be the expected amount for
9	Q. It was uneventful.	9	the lactate to rise?
10	A. Sorry?	10	A. It is the common practice if the
11	Q. Uneventful would maybe be another way	11	lactate goes above five in a you know, and
12	of putting it.	12	the trend is going up from there, it's not
13	A. You can call it like that, yes.	13	5.01 is something that you have to be alert
14	Q. There has been some indication in this	14	this heart is not going. If the step rise, the
15	case that you and Dr. Altarabsheh were sleeping	15	trend, continues going up, a problem. On top of
16	for most of the flight. Do you remember that?	16	that there is another consideration to take into
17	A. I don't remember that, but it happens.	17	account if the lactate has two samples, arterial
18	Q. Wouldn't be unusual for you to be	18	and venous. If the heart is consuming lactate
19	sleeping for most of one of these flights?	19	and not producing lactate, that's good.
20	A. Say that again.	20	Q. Yep.
21	Q. It would not be unusual for you to be	21	A. If the heart is producing lactate and
22	sleeping during most of one of these flights.	22	there is a step rise continues and consistent,
23	Is that what you're saying?	23	that may put the balance against that that heart
24	A. It would not be unusual to be sleeping	24	should be appropriate to be used.
25	part of the flight. I shouldn't say the whole	25	Q. Understood.
	Page 63		Page 65
-			<u> </u>
1	flight. Maybe for awhile, then I wake again,	1	Once the airplane landed in Rochester,
1 2	flight. Maybe for awhile, then I wake again, speak with the people, having some, you know, a	1 2	5
			Once the airplane landed in Rochester,
2	speak with the people, having some, you know, a	2	Once the airplane landed in Rochester, somebody had to alert the team back at Mayo that
2	speak with the people, having some, you know, a drink or whatever.	2 3	Once the airplane landed in Rochester, somebody had to alert the team back at Mayo that the plane was safely on the ground; right?
2 3 4	speak with the people, having some, you know, a drink or whatever.  Q. A drink like like a Coke?	2 3 4	Once the airplane landed in Rochester, somebody had to alert the team back at Mayo that the plane was safely on the ground; right?  A. Yes.
2 3 4 5	speak with the people, having some, you know, a drink or whatever.  Q. A drink like – like a Coke?  A. Yeah. No wine, no.	2 3 4 5	Once the airplane landed in Rochester, somebody had to alert the team back at Mayo that the plane was safely on the ground; right?  A. Yes.  Q. I assume that was not you.
2 3 4 5 6	speak with the people, having some, you know, a drink or whatever.  Q. A drink like like a Coke?  A. Yeah. No wine, no.  Q. Probably not a wine.	2 3 4 5 6	Once the airplane landed in Rochester, somebody had to alert the team back at Mayo that the plane was safely on the ground; right?  A. Yes. Q. I assume that was not you. A. No.
2 3 4 5 6 7	speak with the people, having some, you know, a drink or whatever.  Q. A drink like like a Coke?  A. Yeah. No wine, no.  Q. Probably not a wine.  A. No. There is no wine there. No, no. Only cola.  Q. Yeah. All right. Do you remember	2 3 4 5 6 7	Once the airplane landed in Rochester, somebody had to alert the team back at Mayo that the plane was safely on the ground; right?  A. Yes.  Q. I assume that was not you.  A. No.  Q. Is there another assessment of the
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17 (Pages 62 to 65)

	Page 66		Page 68
1	A. Yes.	1	sterile, taking the heart, sterile, from the
2	Q. What do you remember about that?	2	machine, taking in sterile condition to the back
3	A. Getting into the OR, putting the	3	table, from the back table to or directly to
4	machine in there. I mean not me, I mean	4	the field.
5	technician being with the team there. And	5	Q. So the surgeon the attending surgeon
6	there there was nothing that I recall that	6	comes out of the sterile field to the machine
7	was raising the attention of anything not going	7	and then takes the heart out?
8	well.	8	A. No. He's sterile. He's sterile moving
9	Q. Were you still there	9	in the OR.
10	Well who removes the heart from the OCS	10	Q. Yep.
11	machine?	11	A. You can be sterile moving in the OR.
12	A. The attending surgeon or the fellow	12	Q. Uh-huh.
13	with the attending surgeon.	13	A. If no one touch you, whatever, you
14	Q. Do you remember which of them did that	14	still sterile. And you can get the door
15	in this case?	15	the lid is open.
16	A. I don't remember. Usually usually	16	Q. Understood.
17	the attending surgeon is there and the maybe	17	A. Everything's open. Someone opens for
18	the fellow assist or whatever.	18	him.
19	Q. How could how could the attending	19	Q. Yep.
20	surgeon or the fellow remove the heart from the	20	A. The unsterile part someone opens for
21	OCS machine without breaking sterility?	21	him, and he when the lid is open, he can
22	A. Because the box is sterile inside.	22	touch the lid comes with a little thing
23	Where the heart is located in the box, the box	23	around and the heart is exposed.
24	is sterile. And the box is closed with a top,	24	Q. I understand.
25	all is sterile inside the box.	25	A. He can go and grab it, he or anyone.
1	Page 67	1	Page 69
1	Q. Sure. The inside of the box is	1	Q. Yep.
2	sterile, but help me understand this. So the	2	A. Anyone
3	machine gets wheeled into the operating room;	3	Q. Anyone else who's sterile.
4	right?	4	A. Sterile.
5	A. Yes.	5	Q. Yep.
6	Q. But the the machine doesn't go	6	A. I mean "anyone" means another surgeon. It wouldn't be anyone.
7	within the sterile field; does it?	7	If wouldn't be anyone
_			
8	A. No, no, no, no.	8	Q. Yep.
9	Q. Okay.	9	Q. Yep. Who removes the heart physically?
9 10	Q. Okay. <b>A. We</b>	9 10	Q. Yep. Who removes the heart physically? Because the heart itself is attached to the
9 10 11	<ul><li>Q. Okay.</li><li>A. We</li><li>Q. No. Just just answer my question.</li></ul>	9 10 11	Q. Yep. Who removes the heart physically? Because the heart itself is attached to the it's cannulated to the machine; right?
9 10 11 12	<ul><li>Q. Okay.</li><li>A. We</li><li>Q. No. Just just answer my question.</li><li>Sorry.</li></ul>	9 10 11 12	Q. Yep. Who removes the heart physically? Because the heart itself is attached to the it's cannulated to the machine; right? A. Yes.
9 10 11 12 13	<ul> <li>Q. Okay.</li> <li>A. We</li> <li>Q. No. Just just answer my question.</li> <li>Sorry.</li> <li>A. Yes.</li> </ul>	9 10 11 12 13	Q. Yep. Who removes the heart physically? Because the heart itself is attached to the it's cannulated to the machine; right?  A. Yes. Q. Does
9 10 11 12 13 14	<ul> <li>Q. Okay.</li> <li>A. We</li> <li>Q. No. Just just answer my question.</li> <li>Sorry.</li> <li>A. Yes.</li> <li>Q. I'm going through this.</li> </ul>	9 10 11 12 13 14	<ul> <li>Q. Yep.</li> <li>Who removes the heart physically?</li> <li>Because the heart itself is attached to the it's cannulated to the machine; right?</li> <li>A. Yes.</li> <li>Q. Does The attending surgeon decannulates it?</li> </ul>
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For sure I didn't appreciate any hematoma or significant hematoma because I saw the heart through the box. It is transparent, although it's not perfect, because you have to open the lid, open the little thing that is around, and then have a look in detail to the heart. But for sure there was not a significant hematoma, so you have to ask Dr. Rosenbaum that question.  Q. Understood.  All right. At some point you obviously left the operating room; right?  A. Yeah.  Q. Do you remember at what point in the procedure you would have left the operating room?  A. Yes. Not exactly, but very soon after the heart went to the field, so Q. Because at that point your job's done. A. In certain way, yes. If I want to stay, I can stay. If I want to scrub in the case, I can. But not in this case, I I opted
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stay, I can stay. If I want to scrub in the
case, I can. But not in this case, I I opted
, ,
not to.
Q. Uh-huh. Pretty late at night and you
probably wanted to go home and go to bed, I'm
Page 73 guessing.
A. Yes. Most of the times that's what we
do.
Q. Yep.
Okay. At some point you found out that
that heart that you had brought from Idaho had
not been able to be transplanted; right?
A. Say that again. Sorry.
Q. At some point in time you found out
that that heart that you had brought back from
Idaho was not able to be successfully
transplanted; right?
A. Well we saw the final result.
Q. You were contacted by Dr. Villavicencio
or somebody else in the operating room while the
case was still going on; right?
A. You mean after I left?
Q. Yeah.
A. No. I was
I don't recall to be being contacted
by Dr. Villavicencio or someone else.
Q. You don't recall anybody contacting you
-4.11 - 41
while the case was still going on and asking you
questions about the lactate?  A. I don't recall any.

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	Page 74		Page 76
1	Q. You're aware that there are a series of	1	before are going on.
2	text messages that indicate that that is exactly	2	Q. I
3	what happened; right?	3	A. And also we follow the cases on the
4	A. I'm not aware of those texts.	4	Epic.
5	Q. Okay. You	5	Q. When is the first time you can say
6	You've never heard anything about any	6	definitively that you found out that this case
7	text messages in this case?	7	didn't go as planned?
8	A. No, I didn't.	8	A. The day after.
9	Q. Okay. There are text messages in this	9	Q. The day after being later that same
10	case that indicate that either you or Dr.	10	day, or the day after being in that
11	Altarabsheh or both of you told Dr.	11	It was the early morning hours of the
12	Villavicencio that the lactates were either bad	12	30th. Was it later on the 30th or not until the
13	or terrible. Is this the first you're hearing	13	31st?
14	of that?	14	A. No, no. Later when I
15	A. This is the first time I'm hearing	15	Usually I I go to Mayo the day
16	that,	16	after. I mean day after. If it is late at
17	Q. Okay.	17	night, I go to bed, but then I go to Mayo.
18	A because they were not.	18	Q. Later that same day.
19	Q. So as for how somebody would have	19	A. Later that same day.
20	gotten the idea that the surgeons, being you and	20	Q. And at
21	Dr. Altarabsheh, were telling V that the	21	And you found out later that same day
22	lactates were terrible, you have no idea where	22	that things hadn't gone as planned with this
23	they would have come up with that.	23	case.
24	A. I have no idea and I I challenge	24	A. Yes.
25	that. But that word "terrible" is absolutely	25	Q. How did you find that out?
	Page 75		Page 77
1	unacceptable. I mean terrible is something that	1	A. I lamented that, of course.
2	is torrible and that no		
	is terrible, and that no.	2	Q. Well no, no, no.
3	Q. Well that's probably somebody's	3	Who told you?
4	Q. Well that's probably somebody's interpretation. But the point is, you don't	3 4	Who told you?  A. No. I go to the Epic. Epic is the
4 5	Q. Well that's probably somebody's interpretation. But the point is, you don't remember getting any contact whatsoever while	3 4 5	Who told you?  A. No. I go to the Epic. Epic is the record.
4 5 6	Q. Well that's probably somebody's interpretation. But the point is, you don't remember getting any contact whatsoever while this case was still going on.	3 4 5 6	Who told you?  A. No. I go to the Epic. Epic is the record.  Q. The electronic medical record.
4 5 6 7	Q. Well that's probably somebody's interpretation. But the point is, you don't remember getting any contact whatsoever while this case was still going on.  A. No.	3 4 5 6 7	Who told you?  A. No. I go to the Epic. Epic is the record.  Q. The electronic medical record.  So nobody contacted you. You found out
4 5 6 7 8	<ul> <li>Q. Well that's probably somebody's interpretation. But the point is, you don't remember getting any contact whatsoever while this case was still going on.</li> <li>A. No.</li> <li>Q. When is the next time you can recall</li> </ul>	3 4 5 6 7 8	Who told you?  A. No. I go to the Epic. Epic is the record.  Q. The electronic medical record.  So nobody contacted you. You found out that
4 5 6 7 8 9	Q. Well that's probably somebody's interpretation. But the point is, you don't remember getting any contact whatsoever while this case was still going on.  A. No.  Q. When is the next time you can recall having any contact about Noah Leopold's case?	3 4 5 6 7 8	Who told you?  A. No. I go to the Epic. Epic is the record.  Q. The electronic medical record. So nobody contacted you. You found out that The next thing that you can remember
4 5 6 7 8 9	Q. Well that's probably somebody's interpretation. But the point is, you don't remember getting any contact whatsoever while this case was still going on.  A. No.  Q. When is the next time you can recall having any contact about Noah Leopold's case?  A. Contact whom with?	3 4 5 6 7 8 9	Who told you?  A. No. I go to the Epic. Epic is the record.  Q. The electronic medical record. So nobody contacted you. You found out that The next thing that you can remember finding out about this heart was when you went
4 5 6 7 8 9 10	Q. Well that's probably somebody's interpretation. But the point is, you don't remember getting any contact whatsoever while this case was still going on.  A. No.  Q. When is the next time you can recall having any contact about Noah Leopold's case?  A. Contact whom with?  Q. From anybody. From the time you	3 4 5 6 7 8 9 10	Who told you?  A. No. I go to the Epic. Epic is the record.  Q. The electronic medical record.  So nobody contacted you. You found out that  The next thing that you can remember finding out about this heart was when you went on Epic and did what?
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20 (Pages 74 to 77)

	Page 78		Page 80
1	A. On this case?	1	but usually maybe before midday.
2	Q. Yeah.	2	Q. Uh-huh.
3	A. What I learned? What I learned on this	3	And and again, you're pretty sure
4	case?	4	that you read the operative report that day.
5	Q. Yes.	5	A. Not very sure about the op report. But
6	A. I learned that this disgraceful event	6	there there may be something I read about
7	is the first that I heard happen in the world	7	that or
8	and is the probably, no probably, no	8	Sometimes the op the operating notes
9	should say in my understanding, no one knows	9	are not written immediately.
10	about this event happening anywhere, anyplace.	10	Q. Yeah.
11	And the reason why I say that is because in	11	A. I don't remember if I it was
12	Prague there was a, you know, you there was a	12	immediately when I arrived that I went to the op
13	transplant meeting, it's a well-known transplant	13	note, but there there is another part of the
14	meeting that takes once a year, and there	14	op note that is written quickly, which is the
15	were it came the opportunity that I raised my	15	brief brief op note.
16	voice. Went to the with a microphone in the	16	Q. Uh-huh.
17	middle of a big audience, big audience with the	17	A. That usually is always written.
18	most remarkable surgeons in the world,	18	Q. Okay. And you think that that would
19	cardiologists and so on in the transplant	19	have been available by midday on the
20	community, and I made a comment about this case.	20	A. No. I'm not saying midday, because I
21	Of course, I it was shortened, the	21	don't know if I meaning when I arrive I
22	explanations, but highlighting that the the	22	immediately went to Epic. Maybe I was still
23	procurement, transport, OCS run and so on, and	23	6:00 o'clock p.m. or 8:00 o'clock or whatever
24	the timings on the OCS and so on and so on have	24	before I left home to home I went to Epic. I
25	been uneventful, and what happened next. And I	25	don't recall that.
	Page 79		
1	asked specifically, to that big audience, did	1	Q. Uh-huh.
2	anyone at all heard about something like this	2	Can you recall ever talking to Dr.
3	happening and if anyone can give any inputs	3	Villavicencio about this case?
4	about what would be the reason for this to	4	A. No.
5	happen. And their reply to that was silence.	5	Q. Do you think you did and you just can't
6	There was no one commenting anything. And after	6	remember details, or you don't think you've ever
7	seconds of silence, the chair said, "Okay.	7	talked to him about it?
8	Based on that, there is no comments on that.	8	A. I don't remember talking about this
9	Let's go for another topic."	9	case specifically. We I
10	Q. Would I be correct in assuming then	10	I remember hearing talks about chats
11	that you don't have an explanation for what	11	about what happened, what what are the next
12	happened	12	steps, not specifically what happened in this
13	A. No.	13	event. I mean what happened afterwards with
14	Q in this operating room?	14	the, you know, tot the support that the
15	A. No.	15	patient had in after the the heart was taken
16	Q. Do you even have speculation about what	16	out, you know, that kind of support that the
17	may have happened?	17	patient had. That's all complicated.
18	A. I don't.	18	Q. Can you recall talking with either Dr.
19	Q. We know that the heart got to the	19	Spencer or Dr. Daly or any other
20	operating room at about 3:00 o'clock in the	20	A. No.
21	morning, and you said that you would have	21	Q surgeons about this case?
22	probably went home and went to bed.	22	A. No. No. I don't recall.
23	When do you think you would have come	23	Q. So help me understand that. The
24	back to the hospital?	24	What happened here was very unusual and
			**
25	A. I can't remember that day what time,	25	surprising; right?

21 (Pages 78 to 81)

	Page 82		Page 84
1	A. Yes.	1	trying to figure out what happened. Am I
2	Q. Don't the surgeons in the Cardiac	2	understanding you correctly?
3	Surgery Department at the Mayo Clinic want to	3	A. I don't recall anyone to come to to
4	take steps to improve patient outcomes?	4	talk to me specifically. I don't recall. That
5	A. They they do.	5	doesn't mean it didn't happen. Maybe it
6	Q. But you're telling me that after this	6	happened.
7	incredible, catastrophic, unforeseen	7	Q. Well given the fact that you remember
8	never-before-seen event happened, you can't	8	the way this heart looked a year after the fact,
9	recall ever talking to a single one of the	9	don't you think that having a conversation about
10	surgeons at the Mayo Clinic about it?	10	this unbelievably rare event would be something
11	MR. BRANTINGHAM: I'm just going to	11	that would stick out in your excellent memory?
12	interpose an objection insofar as the question	12	MR. BRANTINGHAM: Object to the form of
13	seems to ask about peer review, which is of	13	the question. You can answer.
14	course protected.	14	A. I had, you know, chats with different
15	MR. THOMPSON: Well he said that he	15	physicians, but I can't recall whom with. So
16	never talked to anybody.	16	it's possible that I may have had any
17	MR. BRANTINGHAM: I understand. But	17	conversation with any of any one of the team.
18	the kind of windup to the	18	What I mean when when I was to answer your
19	If you're just asking him about his	19	specific question, I was directed to a specific
20	conversations, fine. The wind insofar as the	20	meeting regarding this matter and analyze this
21	windup talked about improving patient safety and	21	matter. I don't recall that happening. But
22	so forth, that's talking about peer review. So	22	brief communications, questions, thoughts,
23	it's a different topic, I think.	23	inputs, it may have happened and I don't recall.
24	In any event,	24	Q. Understood.
25	MR. THOMPSON: Sure.	25	You are involved in research right now
	Page 83		
	1430 00		Page 85
1	MR. BRANTINGHAM: go ahead and ask	1	Page 85 involving design of a heart box like OCS from
1 2		1 2	_
	MR. BRANTINGHAM: go ahead and ask		involving design of a heart box like OCS from
2	MR. BRANTINGHAM: go ahead and ask about his conversations.	2	involving design of a heart box like OCS from TransMedics? I read that in your CV. Tell me
2	MR. BRANTINGHAM: go ahead and ask about his conversations.  Q. Yeah. So	2 3	involving design of a heart box like OCS from TransMedics? I read that in your CV. Tell me what that means.  A. Yes. We were trying to explore a field which is beating-heart transplantation. That
2 3 4	MR. BRANTINGHAM: go ahead and ask about his conversations.  Q. Yeah. So  A. Usually the the cases are discussed	2 3 4	involving design of a heart box like OCS from TransMedics? I read that in your CV. Tell me what that means.  A. Yes. We were trying to explore a field
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22 (Pages 82 to 85)

	Page 86		Page 88
1	Q. Did you perform an epicardial	1	Q. Are you going to head that up?
2	ultrasound evaluation on the donor in Idaho that	2	A. Yes, myself.
3	you went to procure?	3	Q. All right.
4	A. No, we didn't.	4	A. And and my colleagues as well.
5	Q. Why not?	5	Q. Sure. And obviously you think there
6	A. Because the at that time the	6	You must think there could be some
7	research was on hold.	7	benefit to that or else you wouldn't be
8	Q. What is the what is the hoped-for	8	restarting the research.
9	benefit of doing epicardial ultrasound	9	A. There may be some benefit in the cases
10	evaluation of those donors?	10	that you are in a situation where the heart
11	A. The hope should be to assess a heart	11	is looks not ideal at the time of procurement
12	that you can find a different picture that you	12	and you may have you know, you may find
13	were expected to find beforehand and see if	13	things that you can correct at that precise time
14	there is anything that you can change or do at	14	and convert that heart in a heart that you
15	the time of the procurement.	15	expect that would be okay.
16	Q. Anything	16	Q. Do you remember having any
17	Try to pick up on things that maybe	17	conversations with Michael Pick about this case
18	were not seen on the ultrasound or the echo	18	other after you got off the airplane?
19	that was done by the donation facility?	19	A. No.
20	A. Not not precisely.	20	Q. Can you remember ever having any
21	Q. Okay.	21	conversations about this case with Alex
22	A. Meaning that the heart function,	22	Reynolds?
23	hemodynamics not the heart itself, the	23	A. With?
24	hemodynamics that impact on the heart may change	24	Q. Alex Reynolds.
25	and what is the consequence of that.	25	A. Maybe that I requested the details of
	Page 87		Page 89
1	Q. When did that	1	this run.
2	A. But if you see nothing, I don't	2	Q. The
3	personally see any advantage of doing that.	3	A. The details of the run, meaning times
4	Q. When did that research start?	4	of instrumentation, cross-clamp times, ischemic
5	A. When it started?	5	times and so on.
6	Q. Yeah.	6	Q. The flows, the pressures, the lactates,
7	A. About October '22.	7	things like that.
8	Q. And then	8	A. Anything of significance.
9	A. About that.	9	Q. All right.
10	Q. And then it was suspended?	10	A. Probably I met him, yes. Probably.
11	A. Temporarily. Because it was it was	11	Because he's the person who collects all the
12	promoted by a colleague of mine. I was after	12	information.
13	him, join him, but it was not my initial	13	Q. There was initially a concern that the
14	research.	14	bleeding episode that happened with this heart
15	Q. When was it suspended?	15	in the operating room was caused by
16	A. It was about probably March.	16	microperforations that resulted when the heart
17	Q. Of '23?	17	was put on the OCS machine. Do you know that?
18	A. '23.	18	MR. BRANTINGHAM: Foundation.
19	Q. Why was it suspended?	19	A. I'm not aware of anyone who would
20	A. Because the colleague left and the	20	with commonsense to say that with any proof or
21	enthusiasm decreased because of that.	21	any any kind of a, you know
22	Q. When did it restart?	22	Who said that?
	A. Probably we are starting soon.	23	<ul> <li>Q. Dr. Villavicencio in his operative</li> </ul>
23			
23 24 25	<ul><li>Q. Oh, you're going to restart it.</li><li>A. Yes.</li></ul>	24 25	report.  A. What did he say?

23 (Pages 86 to 89)

Page 90 Page 92 1 Q. He says at one point, "We thought the 1 have to highlight that it is a crucial 2 only way to control the bleeding" -- this is on 2 difference between the heart that was on the OCS 3 2132 -- "thought the only way to control the 3 at the time of procurement, during 4 bleeding was to give protamine and blood 4 transportation, and even after -- at the time of 5 5 products since we thought the bleeding came from taking the heart out of the box, regarding 6 6 microscopic tears from the aortic root perfusion whatever sizes may have been measured at that 7 7 in the OCS." First of all, is that the first time and the sizes of what had been measured 8 8 that you're hearing of that? I thought you read after the event. And the reason is in some way 9 9 the operative report, but maybe you missed that quite simple. We all know what happened. We 10 10 part of it. all know that there were big hematomas and 11 A. Well I don't recall that part exactly, 11 bleeding or whatever. Why it happened, we don't 12 12 know, but that occurrence change absolutely but what I say, that is a personal, subjective 13 opinion that may potentially be consistent with 13 everything. And the heart was studied by the 14 a possibility. But microscopically, I can give 14 pathologist obviously after all this happened, 15 15 testimony that there were no issues at the time so there is no way -- no way, by my 16 we instrumented and we put the heart in the OCS, 16 understanding, to assume that those measurements 17 any kind of perforations or whatever. 17 were present at the time that the heart was on 18 18 Q. Can you explain physiologically to me the OCS, or even taken out from the OCS and 19 how microscopic tears from the aortic root 19 going to the field. 20 perfusion on the OCS would lead to the sort of 20 MR. BRANTINGHAM: That's my only 21 21 widespread intramyocardial bleeding that he's question. Thank you. 22 talking about? 22 **EXAMINATION** 23 23 BY MR. THOMPSON: A. No, I cannot. MR. BRANTINGHAM: I was going to object 24 24 Q. So with respect to that, I think what 25 to foundation, but that's fine. 2.5 you're saying is we just don't know one way or Page 91 Page 93 1 1 Q. Okay. Oh, last question. another, it's kind of a different heart after 2 2 Do you have stock in TransMedics? this whole event happens. Is that what you're 3 3 A. No, I don't. saying? 4 Q. Okay. 4 A. Say that again. Sorry. 5 5 A. Hopefully I should have it, but I Q. I think what you're saying is the heart 6 6 that you put on the machine and the heart that 7 7 Q. Maybe you should, maybe you shouldn't. was dissected on pathology after it went through 8 8 I don't know. an OCS run and it had an attempted transplant, 9 A. Yeah. 9 and it bled, and it got protamine, and it got 10 10 MR. THOMPSON: All right. I don't have blood products and all that kind of stuff, it 11 any other questions. Thank you, doctor. 11 was a very -- two very different hearts --12 12 **EXAMINATION** A. Yes. 13 13 BY MR. BRANTINGHAM: Q. -- in a sense. 14 Q. Doctor, I just have one question. 14 A. Yes. 15 You were asked some questions about 15 Q. How would the bleeding cause the 16 16 heart measurements by the Mayo pathologist and ventricle wall to increase in thickness by 17 there was something you wanted to explain about 17 66 percent? 18 the pathologist's measurements. Could you just 18 A. I don't have that answer. If I should 19 explain what you wanted to explain? 19 have that, the real -- the molecular -- the real 20 A. Yes. Going back to that part of the 20 cause of that, I should, you know, aim to tell 21 21 interrogation in which you stated that the to the scientific society. But I -- I don't 22 22 pathologist mentioned that the width of the wall know. And no -- unfortunately I don't think 23 23 of the heart was more -- 18 or more -- or more, anyone can know exactly for sure because --24 24 and I said that the normality was the other that's my feeling. And I raise the question in 25 size, so it was 60 percent more or whatever. I 25 the congress and no one could say anything.

24 (Pages 90 to 93)

	Page 94		Page 96
1	Q. And I want to make sure we're on the	1	CERTIFICATE
2	same page about that. It very well could be	2	I, Nicole A. Huber, hereby certify that
3	that the ventricle wall was 1.8 centimeters when	3	I am qualified as a verbatim shorthand reporter;
4	you put the heart on OCS. What all you're	4	that I took in stenographic shorthand the
5	saying is you can't use this pathology to say	5	testimony of GUSTAVO KNOP at the time and place
6	that definitively because we don't know what	6	aforesaid; and that the foregoing transcript
7	happened to the thickness of the ventricle wall	7	consisting of 95 pages is a true and correct,
8	after the heart went through everything it went	8	full and complete transcription of said
9	through. Is that fair?	9	shorthand notes, to the best of my ability.
10	A. No. It will not	10	Dated at Baxter, Minnesota, this 21st
11	It's not correct to say it wouldn't be	11	of August, 2024.
12	that when we put the heart it was 18, or we	12	
13	we took out it was 18, it wouldn't be. The	13	
14	heart was not on those sizes, otherwise we	14	
15	should be aware of the, you know, the different	15	
16	size hematomas, ed gross edema, whatever	16	NICOLE A. HUBER
17	happened afterwards. It was after the	17	Notary Public
18	implantation and after whatever happened in the	18	•
19	op note that I I just I am in the same	19	
20	situation that probably all these people who	20	
21	are are reading the op notes. So I read the	21	
22	op notes and I haven't been there, I cannot say.	22	
23	Q. Is it typical for hearts that are	23	
24	transported on OCS to be more edematous at the	24	
25	end of the run?	25	
	Page 95		Page 97
1	Page 95  A. I shouldn't call it typical. What I	1	Page 97 SIGNATURE PAGE
1 2	_	1 2	
	A. I shouldn't call it typical. What I		SIGNATURE PAGE
2	A. I shouldn't call it typical. What I could say is the longest the run is, the the	2	SIGNATURE PAGE I, GUSTAVO KNOP, the deponent, hereby
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2 3 4	A. I shouldn't call it typical. What I could say is the longest the run is, the the more is the chance to get some sort of myocardial edema. Indeterminate. It may not	2 3 4	SIGNATURE PAGE I, GUSTAVO KNOP, the deponent, hereby certify that I have read the foregoing transcript, consisting of 95 pages, and that
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